



CITY OF MT. SHASTA

305 North Mt. Shasta Boulevard
Mt. Shasta, California 96067
(530) 926-7510 • Telephone
(530) 926-0339 • Fax

November 16, 2017

Noemi Emeric-Ford
Region 9 Brownfields Coordinator
75 Hawthorne Street, SFD6-1
San Francisco, CA 94105

Re: Cover Letter

Dear Ms. Emeric-Ford,

The City of Mt. Shasta is submitting its application for an EPA Cleanup Grant. This grant will fund cleanup activities for the Western Area (Refuse Burner) of the Old Mill within The Landing – Mt. Shasta Commerce Park. The Western Area is a 9-acre portion of the larger “Old Mill”, which is itself a 25-acre section of The Landing (127 acres). The funding requested is \$200,000 for cleanup of hazardous materials (dioxin/furnans).

The imposition of restrictions on logging in the late 1980s hit Mt. Shasta hard and left large sites like the mill in the south part of the town empty and an eyesore for the community. While Mt. Shasta has worked hard to replace logging with other industries such as tourism and outdoor recreation, the loss of so much of the industrial base has led to a legacy of low employment, low median income, and high poverty and crime. Despite this, within the last few years, renewed interest in the renamed The Landing Commerce Park and assistance from EPA Community-wide Assessment Grants has built momentum for the redevelopment of this site. In particular, the site has been targeted as a prime location for development as a Community Kitchen and Culinary School, Interactive Park and Green-space, locale for both retail commercial development and a performing arts center. The City of Mt. Shasta has even developed a dedicated fund of \$550,000 to leverage for the first phase of this redevelopment.

Hazardous materials do remain across a portion of this 9-acre area, and their removal will allow for progress on the redevelopment plans. This west region is located next to the main thoroughfare in the community (South Mt Shasta Blvd.) which makes this site a priority to cleanup. Previous assessment and analysis of brownfield cleanup alternatives (ABCA) has indicated that a soil management plan and the combined removal and capping of these contaminants would fully assure health and safety for the community and allow for the swift development of the location. Dioxin contaminants have been detected in isolated locations throughout the Western Area at levels within the scope of this grant’s cleanup cost limits. This EPA Cleanup Grant will be a vital step in reinventing Mt. Shasta, and assisting the City in its efforts to fully turn Mt. Shasta into a center of tourism, retail, and outdoor experience.

While resources have been limited, community and civic leaders hope to take advantage of the economic development potential of the Landing property. Property characteristics such as nearby abundant environmental/natural resources, large size and conducive zoning, ready access to infrastructure and transportation (road, highway, rail) corridors, untapped potential for outdoor tourism, and a major investment commitment from the public in renovation. This funding will be an important resource allowing municipal leaders to begin to remove economic, environmental, and social barriers that are preventing the goals of community prosperity. More than 30 years have passed since the property had economic activity and the community is eager to see some progress. The City will enthusiastically engage community stakeholders through outreach and the implementation of redevelopment plans previously conducted through brownfields area-wide planning.

- a. Applicant Identification: City of Mt. Shasta
701 Fourth Street
Mt. Shasta, CA 96067
- b. Applicant DUNS number: 070315890
- c. Funding Requested:
 - i. Grant type: Cleanup
 - ii. Federal Funds Requested: \$200,000; We are not requesting a waiver.
 - iii. Contamination: Hazardous Substances
- d. Location: City of Mt. Shasta
- e. Property Information:
The Landing – Mt. Shasta Commerce Park
Old Mill Section – Western Area (Refuse Burner) – 9 acres
Address: None, near to 1996 S Mt Shasta Blvd, Mt. Shasta, 96067
- f. Contacts:
 - i. Project Director:
Bruce Pope, City Manager
City of Mt. Shasta
305 N. Mt. Shasta Blvd
Mt. Shasta, CA 96067
(530) 926-7510
bpope@mtshastaca.gov
 - ii. Chief Executive
Kathy Morter, Mayor City
of Mt. Shasta
305 N. Mt. Shasta Blvd
Mt. Shasta, CA 96067
(530) 926-7510
kmorter@mtshastaca.gov
- g. Date submitted: November 16, 2017
- h. Project Period: Three years from the contract date
- i. Population: 3,394 (2010 Census)

Thank you for consideration of our application,



Bruce Pope
Mt. Shasta City Manager

Appendix 3 Cleanup Other Factors Checklist

Name of Applicant: City of Mt. Shasta

	Other Factor	Page #
	<i>None of the Other Factors are applicable.</i>	
X	Community population is 10,000 or less.	1
	Applicant is, or will assist, a federally recognized Indian tribe or United States territory.	
	Target brownfield sites are impacted by mine-scarred land.	
X	Applicant demonstrates firm leveraging commitments for facilitating brownfield project completion by identifying amounts and contributors of funding in the proposal and have included documentation.	7
	Recent natural disaster(s) (2012 or later) occurred within community, causing significant community economic and environmental distress.	
X	Recent (2008 or later) significant economic disruption has occurred within community, resulting in a significant percentage loss of community jobs and tax base.	1
	Applicant is one of the 24 recipients, or a core partner/implementation strategy party, of a “manufacturing community” designation provided by the Economic Development Administration (EDA) under the Investing in Manufacturing Communities Partnership (IMCP). To be considered, applicants must clearly demonstrate in the proposal the nexus between their IMCP designation and the Brownfield activities. Additionally, applicants must attach documentation which demonstrate either designation as one of the 24 recipients, or relevant pages from a recipient’s IMCP proposal which lists/describes the core partners and	
	Applicant is a recipient or a core partner of HUD-DOT-EPA Partnership for Sustainable Communities (PSC) grant funding or technical assistance that is directly tied to the proposed Brownfields project, and can demonstrate that funding from a PSC grant/technical assistance has or will benefit the project area. Examples of PSC grant or technical assistance include a HUD Regional Planning or Challenge grant, DOT Transportation Investment Generating Economic Recovery (TIGER), or EPA Smart Growth Implementation or Building Blocks Assistance, etc. To be considered, applicant must attach documentation.	
	Applicant is a recipient of an EPA Brownfields Area-Wide Planning grant.	



Matthew Rodriguez
Secretary for
Environmental Protection



Department of Toxic Substances Control

Barbara A. Lee, Director
8800 Cal Center Drive
Sacramento, California 95826-3200



Edmund G. Brown Jr.
Governor

November 9, 2017

Ms. Noemi Emeric-Ford
US EPA Region 9 Brownfields Program
Southern California Field Office
600 Wilshire Blvd., Suite 1460
Los Angeles, California 90017

STATE OF CALIFORNIA LETTER OF ACKNOWLEDGEMENT FOR BROWNFIELDS GRANT APPLICATIONS FOR THE CITY OF MOUNT SHASTA

Dear Ms. Emeric-Ford:

The Department of Toxics Substances Control (DTSC) of the California Environmental Protection Agency (Cal/EPA) acknowledges and supports the City of Mount Shasta's application for two U.S. Environmental Protection Agency (U.S. EPA) Site-Specific Cleanup Grants for Mount Shasta Commerce Park. The site has a 100-year legacy of contamination and pollution as a heavy industry timber mill. The DTSC is one of the lead regulatory Agencies with responsibility for overseeing the investigation and remediation of hazardous substances release sites in California. Through various initiatives, DTSC works cooperatively with state and local agencies, private entities and communities to facilitate brownfield reuse and achieve cost-effective remediation solutions, while safeguarding public health and the environment. DTSC has worked cooperatively with numerous stakeholders throughout California assisting with redevelopment and reuse plans for hazardous substances and petroleum release sites.

DTSC fully supports the City of Mount Shasta's efforts to apply for and obtain two Site-Specific Cleanup Grants to address contamination at the Mount Shasta Commerce Park in the amount of \$200,000 each. The City of Mount Shasta is willing to provide a 20% match (\$40,000) for each grant as part of a Voluntary Cleanup Agreement with the DTSC to cleanup and prepare the site for development. Utilizing the U.S. EPA grant, the City of Mount Shasta would be able to complete assessment of an 8-acre eastern section of the property. Local officials are planning to reinvigorate their aging and low-income community, and the EPA assessment funding has positioned the City for this final cleanup step.

The City of Mount Shasta is the recipient of several Targeted Site Investigation and U.S. EPA Brownfield grants dating back to 1998 and has several Voluntary Cleanup Agreements with DTSC. DTSC fully supports the City of Mount Shasta's application for the U.S. EPA Site-Specific Cleanup Grants.

These grants will allow the City of Mount Shasta to work with State Agencies in a productive manner that protects the environment, improves lives of the citizens of the area, and enhances the Mount Shasta Commerce Park. We appreciate the opportunity to support local agency programs because they play a critical role in California's effort to protect the environment and public health.

If you have any questions, please contact Ms. Leona Winner at (916) 255-6679, or by email at Leona.Winner@dtsc.ca.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Wm P Ryan", is written over the word "Sincerely,".

William P. Ryan, P.E.
Supervising Hazardous Substances Engineer II
San Joaquin Branch – Sacramento Office
Brownfields and Environmental Restoration Program

cc: Ms. Leona Winner (via email)
Senior Environmental Scientist
San Joaquin Branch – Sacramento Office
Brownfields and Environmental Restoration Program
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, California 95826

Grant Narrative - Mt. Shasta, California

1. COMMUNITY NEED

1.a Target Community and Brownfields: The Landing – Mt. Shasta Commerce Park is a major brownfield in Northern California that through EPA funding is now nearing final cleanup and is poised to see redevelopment. This brownfield is split into two large parcels, the New Mill and the Old Mill. A 9-acre West section of the Old Mill is the focus of this cleanup project. This site has a 100-year legacy of contamination and pollution. Local officials are planning to reinvigorate their aging and low-income area, and EPA assessment funding has positioned the City for this final cleanup step. Site cleanup will allow for the rapid development of the site into a destination for tourism, commerce, and public use.

Community and Target Area Descriptions: Mt. Shasta is a rural alpine city that sits at the southern end of Siskiyou County, the state's fifth largest county in acreage and 33rd in population. The town serves as the center for regional tourism and is the second largest by population in the county, with 3,394 residents within its 3.75 square mile boundary and an additional 3,000 residents living within its sphere of influence.

Over the last 15 years, the City of Mt. Shasta, the US EPA, California Department of Toxic Substances Control (DTSC), and numerous community partners have invested over 1 million dollars and countless hours on detailed brownfield research, assessment, analysis, and cleanup. The Landing property is one of Mt. Shasta's and Northern California's largest and most marketable commercial properties, and the County's top economic development priority. **This property, a brownfield and once a major lumber mill and largest employer in the area, sat abandoned since its closure 30 years ago. It was a source of contamination and threat to public and environmental health and barred redevelopment. The City of Mt. Shasta is now poised and ready to put this brownfield back into development through cleanup efforts.**

The closing of the mill in 1985 and the recession that began in 2008 caused the closure of critical businesses and loss of employment opportunities. This large site, which is difficult to secure, is subject to illegal dumping and transient encampments. **Loss of the timber industry has left residents of Mt. Shasta with few alternatives to employment, and the recession has only exacerbated this issue. When the mill closed in 1985, local unemployment rose to more than 25% due to associated economic multipliers.** Further, at the peak of the 2008 recession, regional unemployment was 16.6%. For example, the City's largest water bottling plant, Coca-Cola, closed in 2009, causing 100 direct and indirect jobs lost. High unemployment and few jobs resulted in low wages, particularly for younger wage earners. In 1985 the starting wage for a "production" job in the timber mill was approximately \$30/hour, adjusted for inflation, significantly higher than the \$18.17/hour starting wage available currently for a similar position. Further, most job opportunities only pay current state minimum wage of \$9/hour to start. Due to this wage erosion, younger workforce populations have largely emigrated away from Mt. Shasta area. This is demonstrated by the significant reduction of the 15-30-year-old demographic from 19.1% in 1985 to 15.7% in 2013. Unfortunately, these trends have resulted in high poverty, an aging workforce, substance abuse issues, declining school enrollment, and youth emigration. The lack of appropriate land for development due to brownfields and surrounding Federal lands impedes prosperity for the community of Mt. Shasta. Adding to these issues, the proximity of the Oregon border often sends businesses or customers north for zero sales taxes incentives, which further damages the city's tax base and is an impetus for developing local businesses that will competitively supply local needs.

The City of Mt. Shasta is applying for funding from the US EPA that will serve as the final step in a long-term project to reestablish The Landing as the backbone of the City's economic and community

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vitality. The City is currently in the final stages of several recent brownfields grants, including a 2010 EPA Community-wide assessment, 2012 EPA Multi-purpose pilot grant, 2015 EPA Targeted Brownfield Assessment (TBA), and two DTSC Targeted Site Investigations (TSI, which is California's equivalent of a TBA, 2014 & 2015). This investment by the state, federal government, and community indicate the level of interest and belief in redevelopment potential on the site. Restoring The Landing to productive use has been a top priority for all of these entities as it would attract significant new business and jobs, including tourism services (restaurant, hotel, and guide), manufacturing, big box retail, and public services sectors.

Demographic Information and Indicators of Need

Table 1: Local Demographics Compared to State and National Averages

	Mt. Shasta City	Siskiyou County	California	National
Population:	3,394	44,900	37,253,956	311,536,594
Population under 19	22.9%	23.1%	28.1%	26.9%
Population over 65	18.2%	19.6%	12.1%	13.1%
Median Age	48.0	47.1	35.4	37.3
Percent Non-Hispanic Minority:	10.4%	15.3%	42.4%	27.6%
Median Household Income:	\$43,193	\$37,709	\$61,400	\$53,046
Unemployment Rate:	9.6%	8.0%	5.7%	4.8%
Poverty Rate	13.0%	21.0%	15.9%	15.4%
1 Data from the 2013 U.S. Census and American FactFinder http://www.census.gov/ and factfinder2.census.gov				
2 Data from the Bureau of Labor Statistics available at www.bls.gov				
3 Data from the CA Economic Development Department at http://www.edd.ca.gov/				

Brownfields and Their Impacts: The Landing has had multiple owners over the last 125 years, but its long legacy as a major lumber mill site has left the property contaminated and unsafe. This site had a myriad of uses related to the timber industry over its operation from 1890 to 1985. **Hazardous substances including wood treatment chemicals and dioxins/furans, pentachlorophenol (PCP), fuels, paints, and asbestos were used at the mill. Some of this material was released and impacted air, soils, and groundwater. Toxic chemicals leached into on-site waterways and especially in the case of construction, well-boring, or extensive exposure.** Since the mill closed and was dismantled thirty years ago, it has remained empty except foundations, and slowly growing scrub and pine vegetation cover.

The focus of this cleanup application is the 9-acre West Area of the Old Mill at The Landing, which is the former location of a “Burner” containing dioxins/furans. This 9-acre portion is part of a larger 127-acre site, 5.3 percent of the city area, called The Landing. The Landing is composed of several parcels and is divided into redevelopment sections and subsections. The Old Mill, northern section, 20 acres, is the oldest portion of the site and the section with the most assessment and redevelopment money invested. The Old Mill is subdivided into three areas. These areas are called Central, East, and West. The Central Area, the former location of a Boiler Room, 8 acres, Eastern Area, a former location of a Dip Tank and Transfer Pit, 8-acres, and a Western Area, former location of a Refuse Burner and Log Pond, 9 acres.

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The Landing is less than one mile from downtown and has been overgrown, requiring periodic brush removals for site assessment. The unsanctioned site uses including camping, hiking, and dog-walking have increased. Further, our local police have noted that this property is used for illegal drug use, itinerant camps, and garbage dumping. Issues have arisen at least once per month, and an on-site stabbing occurred in 2013. The proximity to downtown and flat open area are prime for recreation and make it a popular place to visit for citizens who disregard potential dangers despite city fencing/warnings.

Assessments conducted by the EPA and California Department of Toxic Substance Control have found that there are several areas of contamination concern on the property including the West Area which requires cleanup to be fully redeveloped. The West Area was the site of a refuse burner where PCP and fungicide-treated wood products were burned and left contaminants, such as dioxins. Dioxin has been found in soil above threshold levels. Due to the location of this site upgradient from the headwaters of Lake Siskiyou, Lake Shasta, and the Sacramento River, there may be a much greater impact beyond the area surrounding Mt. Shasta.

1.b. Welfare, Environmental, and Public Health Impacts: A wide array of contaminants have accumulated on this brownfield site through its 125 years of use. Assessments over the last twenty years have identified residual hazardous substances in the soil and groundwater, described in Section 3 above. Groundwater contamination broadens local cumulative environmental issues due to the location of our community at the headwaters of major watersheds such as the Sacramento River. The Sacramento River feeds multiple reservoirs downriver which supply water to more than 14 million people (US census 2010). Further complicating this issue has been the recent and severe drought, declared a State emergency by California Governor Jerry Brown, has increased the demand for scarce groundwater resources.

Welfare Impacts: Environmental and economic issues aggravated by brownfields sites have health, welfare, and economic impacts on Mt. Shasta and beyond. These impacts are acute and chronic, direct and indirect, yet all serve to undermine the health and vitality of our city's residents. All of the hazardous substances detected at the site have negative health impacts on a human population and sustained exposure has ramifications on everyone, but especially the most sensitive populations.

Studies have shown that cumulative exposure to dioxins/furans known to exist on site, increase risks of cancer, liver disease, and generally decrease lifespans for exposed populations (BNSF Study, 2014). Significantly higher levels such diseases in health status indicators of Mt. Shasta and greater Siskiyou County are shown in Table 2 below. Broad correlation of known pollutants, cumulative exposure risks, and corresponding local disease occurrence suggests Siskiyou County and Mt. Shasta brownfields have negatively impacted the health of the targeted community (Table 2).

Former Siskiyou County Public Health Directors, Terry Barber, and Terri Funk, have described two distinct community impact events in the last twenty years where State Public Health officials investigated spikes in adult cancer rates and prevalence of endocrine disorders in children. While in both instances State Public Health officials could not determine a causal link to environmental contaminants due to low statistical power in small populations, this lends credence to the belief that brownfield-related pollutants do have an impact in Mt. Shasta. Drug use resulting from unemployment and access to this site have likely increased the cancer rate and liver disease instances as well.

The site of the brownfield in Mt. Shasta is impacted by some other issues that exacerbate existing environmental conditions. One of these is the blighted appearance of the property and its proximity to Interstate-5 that has attracted further contamination through its use as an unsanctioned dump for

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drug paraphernalia and to dispose of old appliances such as refrigerators and televisions. This has created new issues of contamination at the site similar to those of a landfill and complicated assessment and cleanup.

More than 60% of Siskiyou County is public land. Changes in federal forest management priorities in the early 1980s greatly reduced timber harvests which led to a local economic depression that closed 90% of local lumber mills. Businesses closed and unemployment skyrocketed. State Employment Development data estimates 4,000 direct jobs were lost due to the closure of lumber mills and 1,700 indirect jobs were lost (increasing unemployment levels up to 25%) as mill closures impacted other business sectors such as freight transport and restaurants (Data Source: labormarketinfo.edd.ca.gov). Since then, economic transitions to other industries have faced brownfield challenges in a land with a 100-year history of heavy industrial contamination. **The site remains one of the largest developable areas in Northern California, especially for larger industries such as manufacturing, retail, and tourism that might have issues finding land elsewhere.**

An additional cumulative environmental issue affecting residents is the proximity to the interstate and rail freight that has an impact on air quality. Approximately 40,000 vehicles and 18 trains pass through Mt. Shasta every day exposing residents to a greater level of poor air quality and greater risk of toxic spills along the transportation corridor. These are issues known to cause direct harm to human health. The maximum 24-hour concentration of polluted ozone in Mt. Shasta has exceeded 34 parts per million during some summer days. Although local manufacturing has decreased in the city, rail transport continues unabated, giving the city a disproportional burden of traffic and air quality impact for its size.

Cumulative Public Health Impacts: California Public Health data from 2012 shows Siskiyou County has the largest crude death rate among all California counties at double the state average. Siskiyou communities also have the second largest rate of cancer deaths in the state (Table 2). Further, rates of chronic liver disease are double state and national averages (Table 2). It is unclear how much impact poor welfare, cumulative environmental health issues, and inattention to environmental justice have on the health of Siskiyou residents. However, cumulative environmental pollution impacts from congested highways, wood treatment chemicals, and dioxins likely increases risks of resident's premature death from the indicators below in Table 3. It is clear that motor vehicle traffic deaths in Siskiyou County at double state and national averages show a higher risk due to longer driving distances in our rural area.

Table 2: Health Status Indicators: Comparing Local, State, and National Vital Statistics

	Siskiyou County ¹	California ¹	National ¹
Crude Death Rate (All Causes)²	1168.9	602.2	800.0
All Cancer Death Rates^{2,3}	182.6	151.7	173.0
Deaths Chronic Liver Disease^{2,3}	21.7	10.8	10.8
Drug-Induced Deaths^{2,3}	21.0	10.5	13.1
1 2012 CA Public Health Report "County Health Status Profiles" 3-year averages (2008 – 2010)			
2 Death rate is defined as deaths per 100,000 population			
3 Age-Adjusted Death Rate			

The unsanctioned recreational use of The Landing by the public increases the potential for exposure to these contaminants and directly endangers runners, bikers, dog-walkers, and others frequenting the site despite city fencing/warnings. Residents living downstream, especially those in poverty, are

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exposed to these contaminants. Itinerant camps have been known to set up within the thick brush of the site, leaving these site users susceptible to exposure to site contaminants in soil.

A relatively high percentage of residents in Mt. Shasta have disabilities or require public support compared to the national average, further straining the economy (Table 3). Similarly, rural and isolated populations have limited mobility, and while there are two health centers in the county, distances, sometimes more than an hour from rural cities, make reaching hospitals more of an issue. A relatively large share of Siskiyou County's population surrounding Mt. Shasta is categorized as sensitive or at-risk compared to state and national figures (Table 3). Sensitive populations include minorities, children, seniors, those with a disability, on public income assistance, on food stamps/SNAP, and/or without health care coverage (Table 3). All of these factors illustrate a community in need of investment and a way forward.

Table 3: A Larger Sensitive Population Locally Compared to State and National Averages

	Mt. Shasta City	Siskiyou County	California	National
Population with disability¹	24%	19.5%	10%	12%
Public Income Assistance¹	11.9%	15.6%	9.3%	7.3%
No Health Care Coverage¹	14.7%	15.5%	17.8%	14.9%
Elderly Poverty Rate¹	15.4%	10.0%	9.9%	9.4%

¹ Data is from the 2010 U.S. Census data and is available at <http://www.census.gov/>.

1.c. Financial Need

1.c.i. Economic Conditions: The decline of the timber industry has left economic hardships which are reflected in the number of lost jobs and unemployment, crime, commercial vacancy, lost property and business tax revenue, and an aging population. The closure of the Mill cost more than 200 direct jobs immediately, and hundreds more are estimated to have been lost in indirect jobs and industries over the last few decades. Since 1975, the region has slowly shifted to a service-based economy oriented towards tourism but endured **chronic unemployment, low wages and high poverty that have been up to twice the national average** in Siskiyou County as well as Mt. Shasta. Drug use, especially methamphetamine abuse is a drain on resources, forcing Mt. Shasta to invest more heavily in public health and safety. This drain has also eroded public trust in the remaining business community and lead to emigration. **Mt. Shasta has a 15% commercial vacancy rate** for many years according to City Planning officials, which depresses the local economy and hurts property values of nearby businesses. At the same time, lower tax revenues and higher poverty continue to slow economic growth (page 2, Table 1).

While the rest of California and the United States have recovered economically from the 2008 recession, State Employment Development reports that as of October 2015, Siskiyou County remains in recession. State Employment Development data indicates that before and after the national 2008 recession, Siskiyou County lost approximately 500 jobs each year resulting in a doubling of unemployment to 16.6% during the 2006 to 2011 period. Most of these lost jobs have not been recovered. Yreka, Weed, and Siskiyou County have targeted new industries for expansion and has a pool of educated low and moderate income individuals to fill demand, but existing brownfields have discouraged investment and development. According to County Planning officials, the **commercial vacancy rate in Siskiyou County is 18%, well above the national average of 12%** creating a common belief that our downtowns are dying. Mt. Shasta has targeted new industries for expansion and has a pool of educated low- and moderate-income individuals to fill demand, but existing brownfields have discouraged investment and development.

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As a rural community, there is a great need for funding from government partners like the EPA Brownfields program because we do not have the money or resources that are available to larger population areas. Funds generated through increases in general funds, fees, sales/property/special taxes or assessments are extremely difficult to obtain due to the small populations and a smaller number of local businesses. Community Development Block Grant (CDBG-HUD) funds automatically awarded to larger communities are only accessible to California's smaller communities through highly competitive processes. Local cities are forced to focus solely on basic public safety and infrastructure and must seek alternative funding sources for community and economic development strategies.

Our communities struggle with small staffs, layoffs due to the recession, and loss of tax base due to abandoned properties. We do not have the resources to fund Brownfields activities. Uncertainty regarding unknown assessment and cleanup costs have hindered redevelopment efforts. As long as sites with beneficial development potential remain contaminated, it will be difficult to perform improvements. Without the development of suitable sites, economic development in Siskiyou County is limited, depriving residents of potential jobs, income, and opportunity. The most pressing issue is that existing brownfields have not been replaced by new industries; their existence discourages attraction of new businesses investment that could bring new jobs and decreases the opportunity for young people to stay or return home.

1.c. ii. Economic Effects of Brownfields: High unemployment, poverty, and low wages since 1985, which have worsened since the 2008 recession, **have strained the city and county budget. High vacancy rates and emigration limit tax revenues, and lead to unhealthy lifestyles, crime, and drug use which increase health and safety expenses.** Lack of funds contributes to deferred maintenance on existing facilities and buildings increasing future costs. With lower wages, high unemployment, and depressed property values, coalition communities have struggled to pay for services and find new ways to replace lost economic drivers. The existence of brownfields at The Landing has severely decreased the tax base for both individuals and businesses, removing an avenue of recovery for the City.

As long as The Landing is contaminated, it will be difficult to fund, plan upgrades, or redevelop the site. All community leaders agree that the site has prime potential to become a new center of commerce for Mt. Shasta in the varied industries of retail, music, and recreational tourism, but perceptions will continue to alarm developers and residents until cleanup is completed. **Without the development of this suitable site, economic development in Mt. Shasta continues to be held back, depriving residents of potential jobs, income, and economic opportunities.** Even the portions of the site that have been cleared through assessment suffer a similar stigma and have been unable to gain any development traction.

The existence of brownfields presents a threat to the environment and health, yet they can also be opportunities for redevelopment and infill development. The City of Mt. Shasta relies on tourism as a source of revenue in the summer months. The City of Weed has seen consistent interest in sites over the last few years, but the uncertainty presented by brownfields prohibits developers from investing.

2. PROJECT DESCRIPTION AND FEASIBILITY OF SUCCESS

2.a. Project Description

2.a.i. Existing Conditions: Since the closing of the Roseburg Mill in 1985 the site has remained empty. Illegal garbage dumping is rampant and difficult to control. Wood-treatment chemicals and

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petroleum products were stored throughout the site and have been detected through assessments conducted under EPA and DTSC oversight over the last two decades. **Areas surrounding the Old Mill, approximately 25 acres, including the west portion of the Old Mill (9-acres) need remediation. This project area, the West Area, was the location of a refuse burner where hazardous substances, including wood treatment chemicals and dioxins/furans, have contaminated the soil.**

The cleanup of the 9-acre West area of the Old Mill at The Landing will facilitate the renovations the City has proposed. The City has targeted the Old Mill for use as an interactive outdoor museum, and greenspace. The City is committed to this project and will invest its \$550,000 of its own funds into this effort to implement the City's General Plans for tourism promotion in Mt. Shasta. Cleanup aligns with the community's land use visions for developing tourism industry related retail, commerce, employment, and performing arts.

2.a. ii. Proposed Cleanup Plan: The Analysis of Brownfield Cleanup Activities (ABCA), attached, explains the options available for cleanup. A Human Health Impact report has also been completed to facilitate clean up planning (available upon request). As part of the grant process, an updated review of the brownfield cleanup alternatives will be made through a Removal Action Work Plan (RAWP) recommending a preferred alternative to clean up the West area. The Qualified Environmental Professional (QEP) will seek input from the City of Mt. Shasta, community partners, and the public before making this final decision and recommendation.

The proposed work plan will involve a soil management plan, capping targeted areas surrounding the Dip tank and minimizing excavation to address costs. These recommendations were selected after an in-depth analysis of the specific contamination characteristics and proposed uses by the City of Mt. Shasta. The practicality of cleanup activities was determined along with feasibility and technical aspects of the process. The effectiveness, implementation, and cost were also closely analyzed before recommendations were made. More information is included in the attached ABCA.

The cleanup plan will be conducted with community feedback and takes into account the impacts of the specific cleanup options. Planning costs should be significantly reduced due to the 2014 and 2015 cleanup planning assets already complete such as environmental, archaeological, and human health impact reports. Local tribes have provided input. The City will continue to invite all members of the community for input with the goal of gaining feedback from sensitive populations. The City will communicate with residents, especially those who live near to the site of the noise, traffic, and materials that could impact their neighborhoods. The City will then conduct the agreed upon cleanup utilizing methods as protective of these sensitive populations as possible.

2.a.iii. Alignment with Revitalization Plans: The Land Use Plan for the entire Landing property, including the Old Mill West area, was publically approved in 1998 and updated in 2016. The purpose of the Old Mill West development area is to provide a site for a park, along with recreational uses appropriate to a park. Another purpose is to provide an area for enhancement of natural and cultural resources of the Mt. Shasta community. **The City has complied with livability principles of HUD, DOT, and EPA sustainable communities by incorporating this site in the Bicycle, Pedestrian, and Trails Master Plan to offer more active transportation choices and increase economic competitiveness. The plans promote greenspace tourism improvements, equitably supporting the existing community with a planned public park. These efforts have leveraged more than \$1 million in federal investments to clean up the site and add future value to nearby neighborhoods.**

2.b. Task Description and Budget Table

2.b.i. Task Description: The environmental cleanup will be conducted by a QEP retained from a professional firm selected through a competitive bidding process consistent with EPA procurement requirements. The consultant will conduct cleanup planning and cleanup performance. Additional project management protocols and public involvement practices will be conducted to inform the community of all activities. This budget was determined through an overview of brownfields grants including Yreka and Mt. Shasta, as well as from reviewing external budgetary examples and outlines received from agency partners such as State DTSC. The City will be utilizing its \$40,000 cost share budget to support cleanup performance, particularly assisting the consultant with the funding of cleanup activities.

Task 1 – Project Management and Reporting. The total budget for project management and reporting is \$15,000 and includes personnel, fringe, travel, and consulting costs associated with programmatic management of the grant. The task also includes reporting, general administration, and a) attend workshops and conferences, airfare, lodging, per diem (3 x \$1,000 = \$3,000), supplies @ \$1,000 including: copies, postage, phone; b) complete EPA reporting paperwork/QEP procurement, QEP assistance with Quarterly Reports, ACRES and other reporting (60hrs at \$50/hr. = \$3,000); and c) contractor management (160hrs at \$50/hr. = \$8,000). **Outputs:** ACRES & QEP. The task also includes:

- General project management activities such as oversight, record keeping, financial management, and coordination between agencies.
- Project Reporting - Quarterly Reports, DBE Reports, ACRES data.
- Staff Training/Travel - attendance at annual regional & national Brownfields conferences/training.
- Contractor Procurement – the procurement of a qualified firm through a competitive process conforming to all requirements to manage funds including the search, interviewing, and contracting of that firm. Additionally, the procurement of a qualified environmental consultant to perform the sampling, analysis, and cleanup work on this site through the same process.
- Contractual agreements with consultants and DTSC for state oversight and services.
- Final Performance Report – to be submitted to the EPA Project Officer within 90 days of the completion of the grant agreement and reflect all work done on this project.

Task 2 – Public Involvement. \$20,000 is budgeted for public involvement and community outreach to involve the community in the brownfields cleanup preparation and cleanup process. The budget for this task will cover the costs associated with outreach such as human resources (50hr x \$100/hr.= \$5,000); advertising (\$5,000), meeting space (\$2,500), and presentation materials (\$2,500), facilitation of meetings (\$2,500), website design (\$2,500), etc. The community outreach will include public meetings, one-on-one meetings with property owners, a large-scale map, informational packets for public distribution, and a final report.

The City and community partner organizations will conduct outreach efforts throughout the project to keep the public informed. This outreach will be performed through city council meetings, stakeholder outreach, and reporting to the press, media and other community groups. Outreach will focus on the general public, target area property owners/businesses, community advisory groups, city staff and elected officials. Initial meetings to familiarize the public with this project will be followed by periodic collaborative meetings with environmental consultants and regulatory bodies (EPA, DTSC, etc.). The Outputs include a Public Involvement Plan and Public Notice and Hearing documents related to the ABCA and RAWP.

Mt. Shasta, California

Task 3 – Cleanup Planning. \$35,000 is budgeted for Cleanup Planning, as obtained from environmental contractor estimates of the cost of the creation of documents and all preparations. This was also estimated from previous grant experience including costs such as hosting meetings, video production, report production, signage, and targeted outreach materials. Outputs of this task include:

- The design and completion of quality and safety plans to be submitted to EPA for approval.
- The updating of existing Analysis of Brownfield Cleanup Alternatives (ABCA) document for this site.
- The preparation of a Remedial Action Work Plan (RAWP) which will undergo a 30-day public review and include appropriate California Environmental Quality Act (CEQA) documentation.
 - The RAWP will include a statement of the problem, a summary of the nature and extent of the chemicals of concern, health risks associated with exposure to the contaminants, and potential action levels using appropriate health risk-based screening levels, green remediation, and calculated risk-based action levels.
 - It will also include review and mitigation of all relevant CEQA issues.
- All ESA, NHPA, and CEQA (health, safety, and environmental compliance) requirements will be met. Work on this site is not expected have a negative impact.

Task 4 – Cleanup Performance. \$170,000 is budgeted for Cleanup Performance including \$40,000 in cost share. This budget was developed by estimating the total cost necessary for cleanup minus the cost of project management, public involvement, and cleanup planning. The site will be cleaned up by an approved RAWP to ready the property for redevelopment. This work will be conducted in partnership with applicable state and federal agencies. Cleanup activities will include:

- Soil management, such as capping or targeted removal, by the approved RAWP.
- Confirmation Sampling in areas where the soil is removed (as approved by the final RAWP).
- Removal Action Cleanup Report (RACR) – cleanup activities will be described in the RACR. Any necessary engineering and/or institutional controls will also be described. Ultimately, the City’s goal is for the State to certify that site cleanup is complete and ready for development.
- The Outcomes of these combined tasks are:
 - Final cleanup of the West Area of the Old Mill at The Landing.
 - Subsequent reports on cleanup activities and suitability of development on-site.
 - The City and QEP will track these developments and monitor so no unapproved developments or changes will occur to the site.

2.b. ii. Budget Table

Table 4: Budget (Hazardous Materials)

	Project Management/ Reporting	Public Involvement	Cleanup Planning	Cleanup Performance	Total
Personnel	\$3,000	\$0	\$0	\$0	\$3,000
Fringe Benefits	\$0	\$0	\$0	\$0	\$0
Travel	\$3,000	\$0	\$0	\$0	\$3,000
Equipment	\$0	\$0	\$0	\$0	\$0
Supplies	\$1,000	\$0	\$0	\$0	\$1,000
Contractual - Other	\$8,000	\$20,000	\$5,000	\$0	\$33,000

Mt. Shasta, California

Contractual - Environmental	\$0	\$0	\$30,000	\$130,000	\$160,000
Total Federal Funding	\$15,000	\$20,000	\$35,000	\$130,000	\$200,000
Cost Share				\$40,000	\$40,000
Total Budget	\$15,000	\$20,000	\$35,000	\$170,000	\$240,000

2.c. Ability to Leverage: Civic leaders in Mt. Shasta consider economic development to be a priority in order ensure the long-term health of Mt. Shasta. Priorities include efforts to prepare the city for new developments such as electric vehicle charging stations, upgraded sewer infrastructure, “shovel-ready” sites, and business attraction marketing. The City has worked hard alongside strategic community partners to locate and attract projects and leverage funding to achieve these goals.

The City recently obtained funds including \$3 million in USDOC Economic Development Administration funds to update city wastewater infrastructure and several grants ranging in amounts from \$35,000 to \$250,000 from USHUD Community Development Block Grant (CDBG) for various Economic Development and Housing Rehabilitation projects which will affect The Landing. The city has a successful track record of securing and stewarding funding with other agencies including USDA Rural Development, USDOT, and USDOJ among others. The City is committing a 20% match as part of a Voluntary Cleanup Agreement with the DTSC to clean up and prepare the site for development. The City has earmarked \$500,000 for the development of portions of The Landing. The list of future leveraging opportunities is found below.

Table 5. Leveraging Funding Opportunities		
Agency	Name	Funding Potential
US EPA	Brownfield Assessment/Area-Wide Planning Grants	\$200,000-\$400,000
US HUD	Community Development Block Grant, Technical Assistance Grants	\$35,000
CA DTSC	Targeted Site Investigation, Underground Storage Tank, Orphan Site Cleanup funds	\$50,000-\$200,000
US HOME, DFW	Technical Assistance funds	>\$1 Million
US SBDC, EDA	Infrastructure Grants, Loans	>\$1 Million
Charitable	Ford Family Foundation, Shasta Regional Community Foundation	\$5,000-\$50,000
US Army Corps of Engineers	Investigation, cleanup, and maintenance technical assistance	>\$1 Million
Private Lenders	Seed/angel investment, development investment	>\$1 Million
City Funds	Infrastructure, direct development	\$550,000

3. COMMUNITY ENGAGEMENT AND PARTNERSHIPS

3.a. Engaging the Community: The plan to involve community-wide stakeholders is intended to develop broad support for major aspects of the planning and decision making associated with the project. There is a strong desire to build an alliance of citizens and organizations in Mt. Shasta. The City will develop a community involvement plan that incorporates a high degree of interaction with the public through meetings, public notifications, and marketing materials. These public notifications and meetings will provide information on the cleanup planning and specifics of the actual cleanup implementation. **Stakeholders will include developers, real estate brokers, business owners,**

Mt. Shasta, California

citizen groups/organizations, and residents. Outreach platforms will include City Council meetings, Planning Commission meetings, and others outlined in the following section. The City's methods of enabling involvement, discussed below, will be incorporated in the cleanup project.

Progress under this grant will be communicated through a variety of methods to reach the maximum audience possible. Communication will include project kick-off meetings, regular reports to the city council, periodic progress updates and will include several meetings to obtain public feedback. These meetings will obtain broad community feedback and also target the needs of sensitive populations such as those with low-income, women, transients, migrants, and minorities. These communication methods have been shown to be effective in involving Mt. Shasta citizens through previous brownfield grant community activities and should be effective again. Mt. Shasta will partner with the College of the Siskiyous in outreaching to the community and assistance with technical and advisory matters for the grant. The majority of citizens in Mt. Shasta speak English as their primary language, but the City has contacted the Siskiyou Training and Employment Program (STEP) to assist with translation or language services when necessary. Specifically, progress updates will use:

Social Media/Websites/Media: Providing regular progress updates through Facebook, Twitter, LinkedIn, and individual City blogs and websites. The Siskiyou County Economic Development Council, one of our committed partners, has a well-established Facebook and Twitter presence to provide regular updates on the project. Also radio, TV stations, and newspaper press releases.

Public Meetings: Status reports will be delivered in public meetings to the City, Councils/Board of Supervisors, City Planning Commissions, Chambers of Commerce, Rotaries, and other clubs. These meetings will serve to update the jurisdictional leaders on the project and allow for public comment and feedback throughout the life of the project.

Agency meetings: facilitating cooperation between consultants, the cities, and the public. The Board will organize and preside over meetings with contractors, city council members, county supervisors, and the public to ensure that the information from the assessments will be entered in the ACRES and EnviroStor databases and coalition partner websites.

3.b. Partnerships with Governmental Agencies: The City of Mt. Shasta has established and developed partnerships with EPA, DTSC, and Water Quality Control Board (WQCB). The City will also work with the Siskiyou County Environmental Health Division of the Public Health Department (EHD). This Department became the Certified Unified Program Agency (CUPA) on January 1, 1997. The Environmental Health Division is certified by the Cal/EPA Secretary to County. The CUPA program regulates underground tanks, hazardous materials (including but not limited to: hazardous substances, hazardous waste, and any material which a handler or the CUPA has reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment, H&S Code § 25501) and any unauthorized release of hazardous material. Also, the Hazardous Material Management Group regulates medical waste and final disposal/transfer activities of solid waste.

3.c. Partnerships with Community Organizations:

Organization	Contact	Purpose & Role	Commitment/ Support Type Role
Siskiyou Economic Dev. Council (SEDC)	Tonya Dowse 530.842.1638	To facilitate business growth, retention, and attraction to promote community prosperity.	Administration and Management of the grant; Community/public outreach for area-wide planning, determining priorities, and

Mt. Shasta, California

			assisting the identification of potential brownfield sites; Providing a venue or meeting space for community stakeholder meetings; Grant process planning where appropriate.
Siskiyou Training and Employment Program (STEP)	Joan Zarzynski 530.938.3231	To enhance the workforce of our community by offering access to employment and training information and services and promoting linkages to job seekers and employers.	Community/public outreach for area-wide planning, determining priorities, and assisting the identification of potential brownfield sites; Providing a venue or meeting space for community stakeholder meetings; Grant process planning where appropriate.
College of the Siskiyous	Scotty Thomason 530.938.5555	To promote learning and provides academic excellence for the students of Siskiyou County, the State of California, the nation and the world.	Community/public outreach for area-wide planning, determining priorities, and assisting the identification of potential brownfield sites; Providing a venue or providing a space for a community meeting where appropriate; Grant process planning where appropriate.
Great Northern Services (GNS)	Bonnie Kubowitz 530.938.4115	Great Northern Services is a non-profit based in Weed, CA that focuses on community development through positive social and economic change.	Advisory; Planning/Administration Assistance; GNS will provide advisory planning and administrative assistance for the portions of this project that will take place in Weed.
Jefferson Economic Development Institute (JEDI)	Nancy Swift 530.926.6670	JEDI increases the economic well-being of people and communities through business development and local wealth creation.	Community/public outreach for area-wide planning, determining priorities, and assisting the identification of potential brownfield sites; Participate in conversations assist in the identification of potential brownfield sites; Providing a venue and/or space for a community meeting where appropriate.

Letters of Commitment: Community organization commitment letters are attached to this EPA grant application and specify each organization's roles and responsibilities relevant to the project. These letters demonstrate the support that each organization has committed to under the City of Mt. Shasta's brownfield effort.

3.d. Partnership with Workforce Development Programs: Siskiyou Training and Employment Program (STEP) and College of the Siskiyous (COS) are the primary workforce development partners and have committed to assist with this project. Every effort will be made to leverage and enhance the existing community organization partnerships listed in the table above to promote employment opportunities for local residents. The City of Mt. Shasta will work closely with STEP, (workforce assistance), JEDI (small business assistance), and COS (community college) to assist with these jobs. One example of local involvement will be using workforce from STEP and the COS student employment center for program assistance and database entry. Grant administrators will

encourage developers and contractors to hire local people to perform redevelopment activities including carpenters, plumbers, electricians, etc. thus providing employment opportunities for locals and also minimizing carbon footprints.

4. PROJECT BENEFITS

4.a. Welfare, Environmental, and Public Health Benefits: The broader cleanup of The Landing will have many health and welfare benefits. The first and most important impact will be minimizing the potential for the community to be exposed to contaminants at the Old Mill. Removing or capping soil **will allow community members, especially hikers, bikers, and others to use trails and greenspaces without being exposed to contaminants in the soil.** Further, improved public welfare and safety is a concern. Local police response calls can run as high as \$500 per call. Additionally, the mill is patrolled twice daily for public safety. Reducing response calls and patrols by half would save more than \$5,000 per year.

Cleanup outcomes will increase the health and welfare of the residents, decrease blight conditions, alleviate crime, and create economic benefits for the community. As a result, the major source of local crime and economic malaise will be removed. The cleanup of these sites will improve the health of the region as more jobs, and higher wages will allow families to be able to afford better health care, especially by risk and health sensitive residents outlined in Table 1.

The City of Mt. Shasta also wishes to use this opportunity to promote progressive environmental activities. Broadly, the promotion will include state and regional energy efficiency organizations to ensure that owners and developers will have access to information regarding programs and funding available to implement energy star, green building designs, and incorporate LEED principles into the redevelopment designs and facility master planning. Ultimately, assessment and clean-up efforts with the assistance of this EPA brownfield grant will help reduce cumulative environment damage, making our region healthier for the human and ecological communities to live and thrive.

Supporting the development of the Mill site aligns with City and County policies (listed below). It will reduce pressure to build on Greenfields and result in the reuse of existing road and water infrastructure instead of expanding development outward to new properties. The Landing already is a major developed area **utilizing existing infrastructure such as roads, power, and sewer lines will decrease costs for developers and our community.** The revitalization and reuse of The Landing less than a mile from downtown will further allow for the preservation of outlying areas and prevent sprawl. This will also reduce the need for automobile transportation and thus reduce further environmental impacts in the area that are enumerated within the Mt. Shasta General Plan and Land Use Policies.

The City works closely with Siskiyou County to align goals, environmental regulations, and policies with the Siskiyou County General Plan (2014), Housing Element (2014), and Land Use Element (1997). The brownfields grant plan has been designed to coincide with the guidelines of the City of Mt. Shasta to align with and achieve the goals of local planners. These goals have been designed to coincide with community goals and a string of meetings and information-gathering activities over the last few years have provided the required information. The cleanup and eventual redevelopment will be congruent with City planning elements, policies, and procedures. One example is the emphasis on encouraging sustainable development, energy efficiency, and new developments on the site to preserve Greenfields as outlined in the Mt. Shasta General Plan Update 2009-2014. The corresponding Housing Element, Land Use Element, and related guidelines encourage recycling,

Mt. Shasta, California

emission reductions, and green remediation. These policies were developed with specific zoning, building size, and land uses in mind. Cleanup and redevelopment will follow the spirit of these policies.

4.b. Economic and Community Benefits: Cleaning up The Landing should have the primary economic impact of supporting business development and creating job growth in Mt. Shasta. The example of brownfields redevelopment in other communities in Siskiyou County has illustrated that companies are willing to move to the region when land is made available. Bringing former brownfields to development readiness will create value for the community through increased economic development, employment, and decreased poverty. Specifically, the funding of performing arts, parks, and boutique shops should bring in new visitors who will spend money locally.

According to preliminary area-wide plans for the site that have been developed, this will provide 25 acres of greenspace, 25 acres of public space, 50,000 square feet of retail, and 50,000 square feet of office space. This will increase land value and ideally raise property and business taxes by approximately 9%, increasing the economic welfare of the community.

Outcomes: The redevelopment of The Landing in Mt. Shasta will have the important impact of preparing a major piece of property in the city for redevelopment. One of these outcomes will be the removal of blight and creation of prime economic opportunities. With existing perceptions of pollution, investment is discouraged, and development is delayed. The former mill on this site was once the largest economic driver in the community before it shut down. **Our civic leaders in Mt. Shasta are determined that this site can once again become a driving force behind Mt. Shasta's economic resurgence.** The Landing is large and located close to downtown, allowing it to serve multiple purposes for the community. For example, City leaders will provide funds to align the development of The Landing with the general goals of the community, especially promoting tourism, community activities, and outdoor recreation.

The development of a recreation park and interactive public green-space will be the first step in this process and will attract tourists and the community, bringing in new revenues. For example, the city is part of a new county-wide tourism improvement financial district which has reinvested \$500,000/year in tourism marketing/infrastructure. Further enhancement of the site, especially the development of retail, restaurants, and small chain stores will eventually bring in a targeted 300 jobs and subsequent further revenues. Taken together, this will assist Mt. Shasta residents by providing them with more green space, funding for services, and will make Mt. Shasta a leader in tourism and recreational innovation in the region. This infill development should then alleviate poverty and drug abuse by providing more employment opportunities for the youth and citizens of Mt. Shasta.

5. PROGRAMMATIC CAPABILITY AND PAST PERFORMANCE

5.a. Audit Findings. There have been no adverse audit findings for the City of Mt. Shasta. The City is audited annually by a Certified Public Accountant.

5.b. Programmatic Capability. The City of Mt. Shasta is governed by a five-member, elected city council. The council is active and engaged in all aspects of city government, including the existing brownfields program. Bruce Pope, City Manager, Muriel Howarth-Terrell, Public Finance Director, and Juliana Lucchesi, City Planner, will oversee the management system that will be in place to facilitate the successful completion of the Brownfields cleanup program on behalf of the City of Mt. Shasta. Their experience and understanding on how to manage similar grants give this staff great

Mt. Shasta, California

programmatic capacity. The City will procure a consultant to assist the Finance Director, increase programmatic expertise, and will use existing City accounting systems to track grant funds.

The experience gained from the ongoing work with the EPA brownfields program in Mt. Shasta has built a high level of knowledge and expertise with staff and contractors. Managing two recent EPA brownfields projects have given the City a depth of understanding of the financial and contractual demands of these grants and will create efficiencies in this next project due to the knowledge of the program, built-in partnerships, and established basic cleanup plan assets. These grants have fostered strong community organization and connections with the public, and this knowledge will be necessary for administering and overseeing this cleanup grant. The City Finance Director will input data regularly to ACRES as shown by work performed and leveraged funds to date. The City plans to procure a sub-consultant and environmental contractors (QEP) using EPA procurement guidelines to add the necessary capacity to facilitate the project. As a community partner, the SCEDC staff has extensive brownfields experience in the region and will be able to seamlessly allow for grant management assistance. The City will use existing accounting systems to track grant funds.

5.c. Measuring Environmental Results: Anticipated Outputs/Outcomes. The City of Mt. Shasta will manage the grant project and reporting requirements for measuring outputs and outcomes of grant work. **The “outputs” of the grant will be measured by total cleanup conducted, development preparation, depth of area-wide planning, and level of community involvement.** The outcomes and outputs of the grant will be tracked by City staff that has experience working on grants with diverse agencies. Results from the environmental contractor will be updated promptly to the ACRES database, the State EnviroStor database, and included in quarterly progress reports to the EPA. Prompt reports will also be distributed to the public through the community involvement plan and committed community organizations. We will take full advantage of EPA and Center for Creative Land Recycling technical assistance to assist with contractor proposals, unanticipated outcomes, cleanup planning reports, and implementation reports.

5.d. Past Performance and Accomplishments. The City of Mt. Shasta has been the recipient of multiple brownfields assessment grants, most recently a Brownfields Community-wide Assessment grant (2010 - \$440,000) and a pilot Multi-purpose grant (2012 - \$440,000), including Cooperative Agreement #101731-11. These grants have gone far to finish assessing the large site of The Landing and prepare it for cleanup and redevelopment. All assessment grants have concluded and now need to be addressed with cleanup grants. All grants were concluded on time and budget with all reporting completed and expenditure of matching funds from the City of Mt. Shasta. The funds have been used primarily to assess, characterize, and plan for cleanup. Assessment funds allowed for several large Phase I and Phase II assessments, the creation of a property inventory, an area-wide plan, an Analysis of Brownfield Cleanup Activities (ABCA) report, and the creation of an Area Wide Redevelopment Plan through City consensus. The City has also been successful on many other initiatives documented in section 2C, Ability to Leverage, on page 10 above.



CITY OF MT. SHASTA

305 North Mt. Shasta Boulevard
Mt. Shasta, California 96067
(530) 926-7510 • Telephone
(530) 926-0339 • Fax

November 15, 2017

Bruce Pope
City Manager
The City of Mt. Shasta
305 N. Mt Shasta Blvd.
Mt. Shasta, CA 96067

RE: Letter of Commitment - Mt. Shasta EPA Brownfields Cleanup Grant Application
The Landing – Mt. Shasta Commerce Park

Greetings Ms. Emeric-Ford,

The City of Mt. Shasta is applying for funding from the EPA Brownfield Cleanup grant program for The Landing in Mt. Shasta, a vital and final step in moving towards end-user development on the site. The City of Mt. Shasta has pledged to fully fund the planning and development of an Interactive Greenspace Park for the "Old Mill" section of this City-owned property. As the owner, developer, and operator of this development, the City will bear the financial costs of this undertaking. The City has not completed planning yet due to the lack of a full assessment of the site but will be setting aside funds of up to \$550,000 to pay for this project.

The City redevelopment plans for the Old Mill site includes funding devoted to fully plan, clean and develop a City-owned complex consisting of an interactive park, green space, and bike/pedestrian path. Recently in 2016, we completed an EPA TBA grant to define the extent of contamination at the "Old Mill" site and complete an Analysis of Brownfield Cleanup Alternatives. Also, in 2016 we received an EPA Brownfield Cleanup grant and a State Targeted Site Investigation (TSI) grant to assist with cleaning up an 8-acre portion of the Old Mill Central Area. Funding for this application will complete our cleanup goals on the remaining 16-acres in the East and West Areas.

The receipt of grant funding for cleanup activities in the Old Mill area will allow the City to dedicate a larger portion of the City Investment to infrastructure rather than planning. This will dramatically improve the cleanup scope of the site and allow development to begin by 2019. The City is fully committed to setting aside and utilizing these funds to achieve this goal.

Thank you for your consideration and continued support of our Brownfield Cleanup grant application. I look forward to continuing working with EPA and DTSC to assess, clean up, and redevelop The Landing and the Old Mill in Mt. Shasta.

Sincerely,

Bruce Pope
City Manager
The City of Mt. Shasta

RESOLUTION NO. CCR-16-50

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MT SHASTA
TO APPLY FOR A BROWNFIELDS ASSESSMENT COALITION GRANT
AND PROVIDING MATCHING FUNDS FOR
THE CLEANUP OF THE LANDING**

WHEREAS, the United States Environmental Protection Agency has announced the availability of Cleanup Grants to provide for the funding of cleanup activities related to brownfield sites; and

WHEREAS, under the provisions of said Cleanup Grants, if selected, said grant recipient must administer the Grant and be accountable to EPA for proper expenditure of the funds; and

WHEREAS, the City of Mt. Shasta agrees to follow EPA guidelines and the Analysis of Brownfield Cleanup Activities (ABCA) to most safely and advantageously cleanup the site; and

WHEREAS, the City of Mt. Shasta agrees to participate in a Voluntary Cleanup Agreement of 20% for Cleanup Grants with the Department of Toxic Substance Control for a total of up to \$40,000 if the award is accepted; and

WHEREAS, the City of Mt. Shasta desires to apply for a \$200,000 grant for the cleanup of The Old Mill portion of The Landing – Mt. Shasta Commerce Park from the Environmental Protection Agency (EPA) in order to fully cleanup the site.


NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Mt. Shasta that it does hereby agree to apply for funding with the Brownfields Cleanup Grant from the Environmental Protection Agency.

PASSED AND ADOPTED this 28th day of November, 2016, by the following vote:

AYES: 5
NOES: 0
ABSENT: 0
ABSTAIN: 0

ATTEST:

CITY OF MT. SHASTA


Kathryn M. Wilson, Deputy City Clerk


Jeffrey Collings, Mayor



November 15, 2017

Mr. Bruce Pope Manager,
City of Mt. Shasta
305 N. Mt. Shasta Blvd.
Mt. Shasta, CA 96067

Re: Commitment of Community Brownfield Support

Dear Mr. Pope,

The Siskiyou Economic Development Council is a committed community partner in the City of Mt. Shasta's plans to apply for funding from the U.S. Environmental Protection Agency's Brownfield Cleanup Grant Program. The goal of the Mt. Shasta Brownfield Cleanup is to conduct cleanup and revitalization for the Landing in Mt. Shasta. We believe that cleaning up the Landing property for future use will advance economic development in Siskiyou County communities.

The mission of the Siskiyou Economic Development Council is to facilitate business growth, retention, and attraction to promote community prosperity. We accomplish our mission by developing strategies that will result in the constructive, balanced economic growth of our region. The Brownfield Cleanup goals are congruent with our mission. We plan to partner with the City of Mt. Shasta to create the optimal results for this cleanup effort. Our role as community partner will be to assist the coalition in community outreach/education. Types of support include:

- Administration and management of grant reporting;
- Providing technical assistance for monitoring and reporting of grant deliverables;
- Community/public outreach for area-wide planning, determining priorities, and assisting the identification of potential brownfield sites;
- Providing a venue or meeting space for community stakeholder meetings;
- Grant process planning where appropriate;

Again, we are committed to the efforts of this coalition and believe this project will improve the economic health of our communities. We look forward to a successful completion of this meaningful endeavor.

Sincerely,

Tonya Dowse
Executive Director
Siskiyou Economic Development Council



Mr. Bruce Pope
Manager, City of Mt. Shasta
305 N Mt Shasta Blvd,
Mt Shasta, CA 96067

Dear Mr. Pope,

Siskiyou Training and Employment Program, Inc. is a committed community partner in the City of Mt. Shasta's plans to apply for funding from the U.S. Environmental Protection Agency's Brownfield Cleanup Grant Program. The goal of the Mt. Shasta Brownfield Cleanup is to conduct cleanup and revitalization for the Landing in Mt. Shasta. We believe that cleaning up old sites for future use will advance economic development in Siskiyou County communities.

Siskiyou Training and Employment Program, Inc (STEP) has been providing federally funded employment and training assistance, in one form or another, to Siskiyou County since 1971. Since 1983 STEP has been a subcontractor, delivering services to the Siskiyou County region of the Northern Rural Training and Employment Consortium (NoRTEC) under the Job Training Partnership Act (JTPA), the Workforce Investment Act (WIA), and the Workforce Innovation and Opportunity Act (WIOA). As a subcontractor, STEP has consistently met or exceeded the standards set by NoRTEC, the State of California, and the Department of Labor for performance. STEP has used a variety of funding sources and programs to meet the needs of the county's disadvantaged adults, youths, and dislocated workers.

The Brownfield Program goals are congruent with our purpose, as STEP has an interest in promoting economic development in the region to provide meaningful employment for job seekers. STEP plans to partner with the City of Mt. Shasta to create the optimal results for this grant. STEP's role as community partner will be to assist the coalition in community outreach/education, provide a venue or meeting space for meetings, and grant process planning where appropriate.

STEP is committed to the efforts of this cleanup and believe this project will improve the economic health of our communities. We look forward to a successful completion of this meaningful endeavor.

Sincerely,

A handwritten signature in blue ink that reads "Joan E. Zarzynski". The signature is fluid and cursive, with the first name "Joan" being more prominent.

Joan E. Zarzynski
Executive Director



SISKIYOU JOINT COMMUNITY COLLEGE DISTRICT
WEED CAMPUS: 800 COLLEGE AVENUE, WEED, CALIFORNIA 96094 (530) 938-5555 FAX (530) 938-5227
YREKA CAMPUS: 2001 CAMPUS DRIVE, YREKA, CALIFORNIA 96097 (530) 842-1245 FAX (530) 841-5221
www.siskiyous.edu

Mr. Bruce Pope
Manager, City of Mt. Shasta
305 N Mt Shasta Blvd,
Mt Shasta, CA 96067

Dear Mr. Pope,

The College of the Siskiyous (COS) is a committed community partner in the City of Mt. Shasta's plans to apply for funding from the U.S. Environmental Protection Agency's Brownfield Cleanup Grant Program. The goal of the Mt. Shasta Brownfield Cleanup is to conduct cleanup and revitalization for the Landing in Mt. Shasta. We believe that cleaning up The Landing Old Mill site for future use will advance economic development in the City of Mt. Shasta and surrounding Siskiyou County communities.

The purpose of the College is to promote learning and provide academic excellence for the students of Siskiyou County, the State of California, the nation and the world. The Brownfield Program goals are congruent with our purpose as the College has an interest in promoting healthier communities in its region to attract new students and residents. The College plans to partner with the City of Mt. Shasta to create the optimal results for this grant. The College's role as a community partner will be to assist the City of Mt. Shasta in community outreach/education. Types of support include:

- Community/public outreach for area-wide planning, determining priorities, and assisting the identification of potential brownfield sites;
- Providing a venue or meeting space for community stakeholder meetings;
- Grant process planning where appropriate;

Again, we are committed to the efforts of this cleanup and believe this project will improve the economic health of our communities. We look forward to a successful completion of this meaningful endeavor.

Sincerely,

A handwritten signature in blue ink that reads "Scotty Thomason".

Scotty Thomason
Superintendent/President



Great Northern Services

310 Boles Street
Weed, CA 96094
(530) 938-4115
Fax (530) 938-1040
www.gnservices.org

Mr. Bruce Pope
Manager, City of Mt. Shasta
305 N Mt Shasta Blvd,
Mt Shasta, CA 96067

Dear Mr Pope,

Great Northern Services (GNS) is a committed community partner in the City of Mt. Shasta's plans to apply for funding from the U.S. Environmental Protection Agency's Brownfield Cleanup Grant Program. The goal of the Mt. Shasta Brownfield Cleanup is to conduct cleanup and revitalization for the Landing in Mt. Shasta. We believe that cleaning up the Landing property for future use will advance economic development in Siskiyou County communities. For example, GNS is planning with the City of Mt. Shasta to build a 17,000 sq. ft. Local Food Marketplace including a culinary school on the Landing property with help from USDA rural development, College of the Siskiyous and several community foundations.

Great Northern is a community based nonprofit that is dedicated to supporting, strengthening, and empowering families and communities at a local level to improve the quality of life in Siskiyou County. Our vision is to provide programs that support equal access across society in all streams – to healthy homes free of environmental hazards, personal and family health care services, access to business capital, community development of infrastructure for safe water, sewer, and high speed communications delivery, and the research and resources to support such projects. The Brownfield Cleanup goals are congruent with our purpose. GNS plans to partner with the City of Mt. Shasta to create the optimal results for this grant. GNS's role as community partner will be to assist the City of Mt. Shasta in community outreach/education.

Types of support include:

- Community/public outreach for area-wide planning and determining priorities;
- Providing a venue or meeting space for community stakeholder meetings;
- Grant process planning where appropriate;

Again, we are committed to the efforts of this cleanup and believe this project will improve the economic health of our communities. We look forward to a successful completion of this meaningful endeavor.

Sincerely,

Bonnie Kubowitz, Executive Director

Solutions to improve lives and enrich communities

Access to Capital • Portfolio Management • Economic Development • Energy Assistance • Home Weatherization
Community Food • Community Services • HIV/AIDS Case Management • Community Development



Jefferson Economic Development Institute
...where potential becomes prosperity

Mr. Bruce Pope
Manager, City of Mt. Shasta
305 N Mt Shasta Blvd,
Mt Shasta, CA 96067

Dear Mr. Pope,

The Jefferson Economic Development Institute (JEDI) is in full support of the City of Mt. Shasta's plans to apply for funding from the U.S. Environmental Protection Agency's Brownfields Cleanup Grant program to conduct cleanup and revitalization for Mt. Shasta.

JEDI has been highly successful in providing microenterprise and small business development services to women, men, and communities of the remote, rural region of Siskiyou County in far northern California for the past 19 years and including the City of Mt. Shasta. JEDI has been effective in providing business and asset development services that build sustainable businesses and lead to economic self-sufficiency for participants, and to a more diversified economy. JEDI entrepreneurial training and consulting to over 300 emerging business owners per year and approximately one-half of them are from the Mt. Shasta area. In addition, JEDI's Executive Director is a member of the Mt. Shasta Community Economic Development Advisory Committee. She is also a board member of the Community Services Council which is the county's child abuse prevention agency and a countywide interdepartmental committee addressing issues affecting the region's most vulnerable populations and including economic security. Ms. Swift is also a board member of the state trade association CAMEO (CA Microenterprise Opportunity Organization)

In support of the activities of the City of Mt. Shasta under a Brownfields Cleanup Grant with the Environmental Protection Agency, JEDI is prepared to assist the City of Mt. Shasta by continuing a variety of efforts to promote the economic development of the city and the region and this property in particular. We know that cleaning up old sites for future use will benefit the City in terms of economic development. We support Mt. Shasta's efforts aimed at improving the overall economic health and well-being of its citizens and hope to see the successful completion of this program.

Sincerely,

Nancy T. Swift
JEDI Executive Director

Mt. Shasta EPA Cleanup Grant - Threshold Criteria

Threshold Criteria for Cleanup Grants

1) Applicant Eligibility

- a) Eligible Entity: The City of Mt. Shasta is a general purpose unit of local government, an incorporated City in the State of California.
- b) Letter from the State or Tribal Environmental Authority
This project has been developed with the active participation of the California Department of Toxic Substance Control (DTSC) which acknowledge the City of Mt. Shasta's plans to apply for EPA Cleanup funding. The DTSC letter of acknowledgement is attached.

2) Site Ownership

The city of Mt. Shasta is the sole owner of The Landing site specified in this application and has owned the site for 26 years. The City will maintain ownership throughout the life of this grant.

3) Basic Site Information

- a) Name of the site: The Landing Commerce Park Mt. Shasta (Old Mill) – West Area (Burner)
- b) Size: 9-acre portion of a larger 127-acre site.
- c) Address: Approximately 1996 S. Mt. Shasta Blvd., Mt. Shasta, CA 96067
- d) Owner: City of Mt. Shasta

4) Status and History of Contamination of The Landing Old Mill – West Area (9 acres)

- a) Contamination Type: Hazardous Materials (Dioxins, Furans).
- b) Operational History and Current Use(s): The site was first developed by the Pioneer Box Company in 1900. Lumber mill operations were reportedly conducted by several parties, most recently Roseburg Forest Products (RFP), at the site from 1900 until the late 1960s, known as the “Old Mill site”, when operations were moved south to the “New Mill.” There are no current uses and the site is fenced, however, unsanctioned uses include itinerant camping and recreational use of the site by hikers, bikers, and runners.
- c) Environmental Concerns: Hazardous Materials (Dioxins, Furans) have impacted soil at the Old Mill West Area. The location of these contaminants is a danger to the residents of Mt. Shasta, unsanctioned users of the site as well as populations downriver in the Sacramento watershed of which Mt. Shasta is at the headwaters.
- d) How the site became contaminated/Nature and extent of contamination: Historical mill operations at the Site had many uses including a “Refuse Burner” and the origin of the dioxin is unclear. At the time of property transfer to the City of Mt. Shasta in 1990, all former mill structures at the site had been removed and the log pond filled with wood debris.

Contamination mentioned above is present throughout the West Area impacting the soil to varying degrees.

5) **Brownfield Site Definition:** This Site is Eligible for Funding because:

- The site is **not** listed on the National Priorities List
- The site is **not** subject to unilateral administrative orders, court orders, administrative orders on consent, or judicial decrees issued to or entered into by parties under CERCLA
The site does is **not** subject to jurisdiction, custody, or control of the United States government.

6) **Environmental Assessment Required for Cleanup Proposals**

Many Phase II site assessment reports have been completed for this site prior to submission including:

- 1) 1998 and 2005 EPA Targeted Site Assessments analyzing soil and groundwater for petroleum hydrocarbons, volatile organic compounds, dioxins/furans, and metals;
- 2) 2007 State DTSC Targeted Site Investigation Phase II Report analyzing the Refuse Burner and Log Pond regions;
- 3) 2009 State DTSC Targeted Site Investigation;
- 4) 2013 State DTSC Targeted Site Investigation Phase II report to fill in gaps and assess all regions of the Old Mill. Preliminary Analysis of Brownfield Cleanup Alternatives (ABCA) was completed;
- 5) 2016 EPA Targeted Brownfield Assessment Phase II report analyzed the entire Old Mill. An updated and finalized Analysis of Brownfield Cleanup Alternatives (ABCA) was completed.

7) **Enforcement or Other Actions**

There are no ongoing or anticipated environmental enforcement or other actions related to the brownfield site. There are no inquiries, or orders from federal, state, or local government entities that the applicant is aware of regarding the responsibility of any party (including the applicant) for the contamination, or hazardous substances at the site, including any liens.

8) **Sites Requiring a Property-Specific Determination**

The property does not require a property specific determination because it was a property donated to the City of Mt. Shasta. The City of Mt. Shasta is not liable for contamination at the site under CERCLA §107. See property deed transfer legal document attached.

9) **Site Eligibility and Property Ownership Eligibility**

(a) **Hazardous Substance Site**

1) CERCLA § 107 Liability: The City of Mt. Shasta is not liable for contamination at the site under CERCLA §107.

2) *Information on Liability and Defenses/Protections*

a) *Information on the Property Acquisition:*

- i) How the Property was Acquired: Donated by Roseburg Forest Products to City of Mt. Shasta
- ii) Date of Acquisition: April 30, 1990
- iii) Nature of Ownership: Sole Ownership
- iv) Name and Identify of Previous Owner: Roseburg Forest Products
- v) Familial, contractual, corporate, or financial relationships or affiliations with prior owners or operators of the property: None

b) *Timing and/or Contribution Toward Hazardous Substance Disposal:* All disposal of hazardous substance at the site occurred before the acquisition of the property and the City of Mt. Shasta did not cause or contribute to any release of hazardous substances at the site. The City of Mt. Shasta has not arranged for the disposal of hazardous substances at the site or transported hazardous substances to the site.

c) *Pre-Purchase Inquiry:* 1988 Preliminary assessments were conducted, and a preliminary clean-up plan was approved by the City of Mt. Shasta prior to deed transfer. Clean up plan included dismantling and removal of all structures and storage tanks by Roseburg Forest Products. Specific details regarding assessment types and performers is not known at this time.

d) *Post-Acquisition Uses:* No current official use. Despite protective fencing, intermittent unsanctioned use of the site by hikers/bikers and other recreational purposes. Also occasional intermittent unsanctioned use as an itinerant “homeless” camp.

e) *Continuing Obligations:* No current methods are being employed to stop current releases and/or prevent any future releases. Police monitor the site to limit exposure to individuals on the property. The City of Mt. Shasta has a current voluntary cleanup agreement with the State DTSC and confirms its commitment to:

- (1) Comply with all land-use restrictions and institutional controls;

- (2) Assist and cooperate with those performing the cleanup and provide access to the property and monitoring wells.
- (3) Comply with all informational requests and administrative subpoenas that have or may be issued in connection with the property; and
- (4) Provide all legally required notices.

(b) Property Ownership Eligibility—Petroleum Sites

1) Information required for a petroleum site eligibility determination

- a) Current and Immediate Past Owners: Current Owner: City of Mt. Shasta. Name of Immediate Past Owner: Roseburg Forest Products.
- b) Acquisition of Site: The site was acquired by the City of Mt. Shasta on April 30, 1990. The site was donated to the City of Mt. Shasta by Roseburg Forest Products. See property deed transfer legal document attached.
- c) No Responsible Party for the Site: CERCLA § 107 Liability: The City of Mt. Shasta is not liable for contamination at the site under CERCLA §107.
- d) Cleaned Up by a Person Not Potentially Liable: The City of Mt. Shasta is not liable for contamination at the site under CERCLA §107. The City of Mt. Shasta did not dispense or dispose any petroleum and therefore did not exacerbate petroleum contamination at the site.
- e) Relatively Low Risk: The site has not been officially classified a “relatively low risk.” However, as the attached ABCA report shows, contamination risk should be able to be mitigated within the site and scope of the grant.
- f) Judgements, Orders, or Third Party Suits: The City of Mt. Shasta does not have any judgements, orders, or third party suits regarding this site and is not responsible through the following:
 - i) Is **not** responsible for a judgment rendered in a court of law or an administrative order that would require any person to assess, investigate, or clean up the site;
 - ii) Is **not** responsible for an enforcement action by federal or state authorities against any part that would require any person to assess, investigate, or clean up the site;
 - iii) Is **not** responsible for a citizen suit, a contribution action, or other third-part claim brought against the current or immediate past owner, that would, if successful, require the assessment, investigation, or cleanup of the site.
- g) Subject to RCRA: The city of Mt. Shasta has no requirements or enforceable actions present for disposal.
- h) Financial Viability of Responsible Parties: There are no viable parties responsible for cleanup of contamination. Independent legal review of the deed transfer and

inquires to legal/insurance representatives of the previous owner, Roseburg Forest Products, have determined there are no remaining responsible parties.

10) Cleanup Authority and Oversight Structures

- a) The City of Mt. Shasta has an existing voluntary cleanup agreement through the California Department of Toxic Substance Control (DTSC) and plans to enroll in a state response and oversight program. The City also plans to obtain additional technical expertise by working with a sub-recipient experienced in the management of Brownfield Grants and with Qualified Environmental Professional (QEP) Contractors that have knowledge on the conduct of planning and cleanup activities.
- b) No additional access to neighboring properties will be necessary for this cleanup plan and the distance from neighboring residential areas is so large minimal impact is expected from these cleanup activities at all.

11) Statutory Cost Share

- a) The City of Mt. Shasta will provide a 20% match for this grant and any other cleanup grants it obtains, for \$40,000 per grant. The cost share will be in the form of money, labor, materials, and services from a non-federal source, and it will be incurred for eligible and allowable expenses.
- i) The City of Mt. Shasta will provide the Cost Share from its General Fund budget. The City has previously provided \$80,000 in Cost Share for brownfields cleanup and has indicated its willingness to provide this match by already earmarking funds for this purpose through a written agreement.

12) Community Notification

The City of Mt. Shasta provided public notification of its intent to apply for Cleanup Grants with the EPA Brownfields Grant program via the Mt. Shasta Herald on October 18th and formally requested public comment at a City Council Meeting held Monday, October 23, 2017.

The intent to apply November 16, 2017, specifics of the grant application, and the most recently available Analysis of Brownfield Cleanup Activities (ABCA) was presented. No public comment was received at the City Council meeting nor in the following 3 weeks. The Newspaper Public Notification, Council Meeting Agenda, Meeting Minutes, and a sign-in sheet are attached to this proposal. The grant application draft along with the Analysis of Brownfield Cleanup Activities was also made available to the public via a copy in the lobby of City Hall and online at www.thelandingmtshasta.com.

It is the City's practice to involve stakeholders in the planning and decision-making associated with major community projects. Since the target areas are past industrial uses, the

stakeholders are the business community, target area property owners/businesses, developers, and citizen advisory groups focused on community and economic development activities.

The City's methods of enabling involvement, discussed below, will be incorporated in the Assessment project. These methods have been used consistently throughout the many brownfield related projects.

- Press releases, social media, and local newspapers will be used to inform stakeholders from startup to completion
- Status reports will be delivered in public meetings to the organizations involved in the project including City Council, City's Planning Commission, and Mt. Shasta Chamber of Commerce. This will allow for an update on activities, time to inform the public on ongoing activities, and the opportunity to gain input from community members.
- Status Reports will also regularly be provided to the EPA and DTSC reporting on plans, progress made, goals, and achievements.
- The information from the Assessments will be entered in the ACRES database, and development-ready property information will be accessible through the SCEDC's and City of Mt. Shasta's brownfield specific website: www.thelandingmtshasta.com

All stakeholders will be involved in the process, which includes many public meetings and hearings, ongoing dissemination of public information, draft plans for review and modification, and public processes for final adoption. The City will host meetings to allow interactions between agencies, sub-consultants, and the public to facilitate good relations. Additionally, the City will be open to hearing and acting on the needs of risk-sensitive populations such as those with low-income or health-sensitive populations such as children and seniors.

Mt. Shasta will partner with the College of the Siskiyous (COS) in nearby Weed, CA, a tremendous asset to the community that provides education, customized training, and community engagement. The community college will be a conduit for outreach and a venue for convening the community in relation to brownfields. The City of Mt. Shasta and community partners will conduct public outreach throughout the project. To preserve confidentiality, many property owners near the target area will be contacted on an individual basis. The majority of citizens in Mt. Shasta speak English as their primary language, but the City has contacted the Siskiyou Training and Employment Program (STEP), a local workforce agency to assist with translation or language services when necessary.



Eric Byous
Regional Brownfield Coordinator
EPA Region 9
600 Wilshire Blvd. Suite 1460
Los Angeles, CA 90017

January 17, 2017

Dear Mr. Byous,

I am writing to you to provide further documentation related to a determination on petroleum site eligibility for the Cleanup Grant applications that were written by the City of Mt. Shasta for "The Landing - Old Mill." The site of concern does not have any financially viable entity that is responsible for the dispersal or disposal of petroleum products at these sites.

Neither the current owners (City of Mt. Shasta 1989-2015) or previous viable owners (Roseburg Forest Products 1979-1989, Kimberley-Clark Corp. 1963-1979) are believed to have dispensed or disposed of petroleum or petroleum product contamination, or exacerbated the existing petroleum contamination at the site or owned the site when any dispensing or disposal of petroleum (by others) took place and took reasonable steps with regard to the contamination at the site. All activities at the "Old Mill" section of this large site were disassembled by 1963 and reports from 1971 indicate that there was no activity at the Old Mill, no infrastructure (such as the Transfer Pit) to further contribute, and the Log Pond was empty and dry.

Due to the fact that all operations had moved to a different sector of the overall site than the two sites mentioned in these applications, it is believed that no viable entity caused any petroleum dispersal or disposal and the sites are eligible for petroleum funding. All Threshold Criteria has been updated to reflect this information and I am sending it to you according to EPA Cleanup Guidelines.

Thank you for your assistance with these grants and I am happy to speak with you anytime.

Sincerely,

Logan Smith - On Behalf of
Bruce Pope and Muriel Howarth Terrell
City of Mt. Shasta

30006790

RECORDED AT REQUEST OF
Mt. Shasta City

OFFICIAL RECORDS
SISKIYOU COUNTY, CALIF.

JUN 15 1 57 PM '90

30006790

David L. Elledge

Fee \$ N/C

WHEN RECORDED MAIL TO

City of Mt. Shasta
City Hall
Mt. Shasta, CA 960670

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GRANT DEED

ROSEBURG FOREST PRODUCTS CO., an Oregon corporation ("Grantor"), hereby GRANTS to the CITY OF MT. SHASTA, a California municipal corporation ("Grantee"), all that certain real property situated in the County of Siskiyou, State of California, described as follows:

Parcels B, C, D and E according to the Amended Parcel Map For Kimberly-Clark Corporation in portions of Sections 21, 22 and 28, Township 40 North, Range 4 West, M.D.M., filed May 22, 1974, in Parcel Map Book 2, pages 22 and 23, Siskiyou County Recorder's Office.

EXCEPTING THEREFROM portions of Parcels B, C and D conveyed to the County of Siskiyou for road purposes by deed dated January 29, 1974, recorded March 4, 1974 in Book 705, Official Records, page 503, Siskiyou County Recorder's Office.

together with all water rights appurtenant thereto;

Subject to existing taxes and assessments, any and all encumbrances done, made or suffered by Grantor or any other person claiming under Grantor and all restrictions, easement and encumbrances, if any, of record.

By accepting this Deed Grantee hereby agrees to indemnify, defend and hold harmless Grantor and ROSEBURG LUMBER CO., an

Pages 1 of 2

Oregon corporation, their respective successors and assigns, from and against any and all claims, losses, liabilities, damages, costs and expenses (including but not limited to attorneys' fees) imposed upon or incurred by or against Grantor and/or ROSEBURG LUMBER CO., their respective successors and assigns, arising out of or in any way connected to or concerned with any prior or current presence, generation, release, storage or deposit on, at or near the real property conveyed by this Grant Deed of any hazardous substance as defined in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 USC Section 9601(14), of any pollutant or contaminant as defined in CERCLA, 42 USC Section 9601(33), and of any hazardous waste as defined in the Resource Conservation and Recovery Act (RCRA), 42 USC Section 6903(5). Such duty of indemnification includes, but is not limited to, claims, losses, liabilities, damages, costs and expenses pursuant to all federal and state environmental laws, strict liability and common law.

The Grantor hereby declares that there is no transfer tax due, since this conveyance is a donation and gift by the Grantor to the Grantee.

DATED: April 30, 1990



ROSEBURG FOREST PRODUCTS CO.

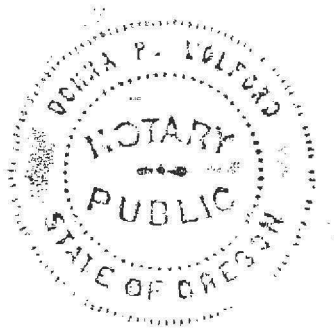
By John J. Stephens
John J. Stephens, President
and Chief Executive Officer

By Ronald C. Parker
Ronald C. Parker, Secretary

STATE OF OREGON,)
County of Douglas) ss.

On this 30th day of April, 1990, before me, the undersigned, a Notary Public in and for said county and state, appeared JOHN J. STEPHENS and RONALD C. PARKER, both to me personally known, who, being duly sworn, did say that he, the said JOHN J. STEPHENS, is the President, and he, the said RONALD C. PARKER, is the Secretary, of ROSEBURG FOREST PRODUCTS CO., the within-named corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that the said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and they acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this, the day and year first in this, my certificate, written.



Donna P. Wolford
Notary Public for Oregon

My commission expires 12/29/91

90006790

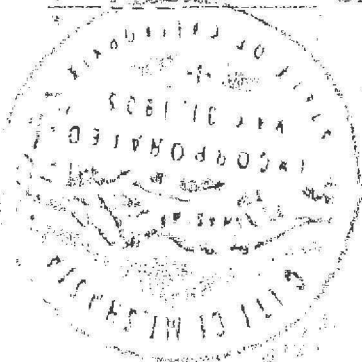
Page 7 of 5 pages

CITY CLERK'S CERTIFICATE

I, C. R. Sutton, City Clerk of the City of Mt. Shasta, County of Siskiyou, State of California, hereby certify that the attached and foregoing is a true and correct copy of Resolution No. CCR-90-42; A Resolution of the City Council of the City of Mt. Shasta Accepting a Grant of Land from Roseburg Lumber Company.

WITNESS MY HAND AND THE SEAL OF SAID CITY OF MT. SHASTA THIS

14th DAY OF June, 1990.



C. R. Sutton
City Clerk

90006790

RESOLUTION NO. CCR-90-42

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MT. SHASTA
ACCEPTING A GRANT OF LAND FROM
ROSEBURG LUMBER COMPANY

WHEREAS, the Roseburg Lumber Company has offered to donate to the City of Mt. Shasta title to certain lands as described as Exhibit A, attached hereto; and

WHEREAS, the City of Mt. Shasta is desirous of accepting the said grant.

NOW, THEREFORE, IT IS RESOLVED AS FOLLOWS:

The City of Mt. Shasta hereby accepts the aforesaid donation of a grant of title to the described lands on the terms and conditions set forth in the deed; and

On behalf of the citizens of the City of Mt. Shasta, the City Council hereby expresses its appreciation to Roseburg Lumber Company, its shareholders and officers, for the donation.

ROLL CALL VOTE:

AYES: Council Member Dawson, Dettman, Porterfield, Smith, Sponsler

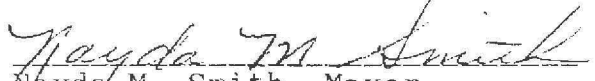
NOES: None

ABSTAIN: None

ABSENT: None

DATED: June 11, 1990

CITY OF MT. SHASTA


Nayda M. Smith, Mayor

ATTEST:


C. R. Sutton, City Clerk

APPROVED AS TO FORM:

R. D. Winston, City Attorney

Page 5 of 5 pages

Community Notification Documents:

Public notice was published in the weekly circulated Mt. Shasta Herald Newspaper on October 18th, 2017. The Public City Council Meeting on October 23, 2017 did not have any sign ins for the agenda topic item 9 regarding the brownfield application presentation. There was a sign in sheet provided and the public commented on other items. We have included the sign in sheet in this application. Furthermore, the Notice of Intent to Apply, grant application draft, or the ABCA report did not receive any public comment via letter, phone, or email.

The City of Mt. Shasta has been applying for and receiving assessment grant funding for this project since 1998. A website to publically share all property records was established in 2014 at www.thelandingmtshasta.com. Residents and citizens of Mt. Shasta are largely supportive of these cleanup efforts.

Logan Smith

From: Kathryn Wilson <kwilson@mtshastaca.gov>
Sent: Tuesday, November 14, 2017 10:45 AM
To: Logan Smith
Subject: RE: Meeting notes and sign-in sheets
Attachments: 10.23.2017 Sign in sheets.pdf; 10.23.2017 FINAL Minutes.pdf; 7942 - epa grant app mtg - proof.pdf

Hi Logan,

Attached are the minutes as approved last night and the sign-in sheets from the 23rd. There was no public comment on the item. I have also attached the proof of publication for the 23rd meeting.
Please let me know if you need anything else! 😊

Kathy Wilson
[Deputy City Clerk](#)
[Administrative Assistant](#)



305 N. Mt. Shasta Blvd
Mt. Shasta, CA 96067
(530) 926-7510
kwilson@mtshastaca.gov

mtshasta news.com

Notice of Public Meeting to hear comments regarding EPA grant applications: Oct. 23, 2017

Posted Oct 18, 2017 at 3:46 PM

NOTICE OF PUBLIC MEETING TO HEAR COMMENTS REGARDING EPA GRANT APPLICATIONS

Presentation of the Cleanup applications for the Brownfield Grants

NOTICE IS HEREBY GIVEN that the City of Mt. Shasta will be submitting two US Environmental Protection Agency Cleanup grant applications, due by Thursday, November 16, 2017. Copies of the applications are available for review in the City Hall lobby and online at <http://www.thelandingmtshasta.com/s/WEST-AREA-EPA-BF-Application-2017-DRAFT-ntha.pdf>

The purpose of this notice is to provide citizens an opportunity to comment on the US EPA cleanup applications. Citizens are encouraged to ask questions and express their viewpoints.

The Mt. Shasta City Council will be holding a public meeting to hear comments regarding the grant applications on Monday, October 23, 2017 at 5:30 p.m. at the City Park Upper Lodge located at 1315 Nixon Rd, Mt. Shasta.

The City invites written comments to be submitted to the Deputy City Clerk, City of Mt. Shasta. 305 North Mt. Shasta Blvd, Mt. Shasta. CA 96067, or you may telephone City Hall between 9 AM and 4 PM on weekdays at (530) 926-7510.

7942 msan oc18c



SIGN UP FOR DAILY E-MAIL

Wake up to the day's top news, delivered to your inbox

**NOTICE OF PUBLIC MEETING TO
HEAR COMMENTS REGARDING
EPA GRANT APPLICATIONS**

Presentation of the Cleanup
applications for the Brownfield
Grants

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7942

msan oc18c

Mt. Shasta City Council Regular City Council Meeting Minutes

City Park Upper Lodge 1315 Nixon Road, Mt. Shasta

Monday, October 23, 2017; 5:30 p.m.

Approved as Submitted

“Our mission is to maintain the character of our “small town” community while striking an appropriate balance between economic development and preservation of our quality of life. We help create a dynamic and vital City by providing quality, cost-effective municipal services and by forming partnerships with residents and organizations in the constant pursuit of excellence.”

STANDING AGENDA ITEMS

1. Call to Order and Flag Salute: At the hour of 5:35 p.m. Mayor Kathy Morter called the meeting to order and led the audience in the Pledge of Allegiance.

2. Roll Call: Council Members Present: Engstrom, Stearns, Stackfleth, Wagner, Morter
Council Members Absent: None

3. Closed Session: Conference with Legal Counsel – Anticipated Litigation (Gov. Code 54956.9) One Matter – Brown Act Complaint

Melinda Willy – Concerns regarding alleged Brown Act violation.

Betty Kreeger – Comments regarding alleged Brown Act violation.

Roslyn McCoy – Comments regarding the set-up of the agenda.

John Kennedy, Sr. – Comments regarding September 25th City Council meeting.

David Casebeer – Comments regarding alleged Brown Act violation.

Vicki Gold – Comments regarding closed session.

Adjourned to Closed Session: 5:54 p.m.

Reconvened: 6:17 p.m.

No action taken.

4. Special Presentations & Announcements: Pacific Power ‘Smart Meters’
Monte Mendenhall and Mike Cochran of Pacific Power discussed the future installation of ‘smart meters’.
Clarifying questions from Council.

5. Public Comment:

Bayla Greenspoon – Collaboration, privilege. Hostel in Mt. Shasta.

Raven Stevens – Comments regarding Council reports on outside meetings.

Roslyn McCoy – Comments in regards to the sound system.

Barbara Coulter – Comments in regards to the effects of smart meters on pacemakers.

Frances Mangels – Comments regarding electromagnetic interference and smart meters, Brown Act violation.

Vicki Gold – Opt-out signs for smart meters.

Keegan Losleben – Concerns regarding smart meters.

Rose Taylor – Health effects of smart meters.

Michael Gabriel – Comments in opposition to smart meters.

Merav – Questions about the City’s jurisdiction in regards to smart meters.

6. Meeting Recess: None

7. Council and Staff Comments:

Bruce Pope, City Manager – Review of staff projects, committee events. Review of coliform notification process.
Tim Stearns, Mayor Pro Tem – Upcoming events.
Kathy Morter, Mayor – Comments regarding City newsletter, sales tax, transient occupancy tax, sidewalks, trees.
Muriel Howarth-Terrell, Finance Director – Review of investment report, taxes.
Bruce Pope, City Manager – Review of recent meetings, future review of Council protocol.

CITY COUNCIL BUSINESS

8. Consent Agenda:

COUNCIL ACTION: Approved the following Consent Agenda items. All Resolutions and Ordinances on this agenda, or added hereto, shall be introduced or adopted, as applicable, by title only, and the full reading thereof is hereby waived.

- a. Approval of Minutes: October 9, 2017 Regular City Council Meeting
- b. Acceptance of Brown Act Committee Minutes: Beautification Committee Regular Meeting September 20, 2017
- c. Approval of Disbursements: Accounts Payable, 10/5, 10/11, and 10/18/2017; Total Gross Payroll and Taxes: For Period Ending 10/6/2017. (Finance Director)
- d. Monthly Financial/Investment Report (Finance Director)

MOTION TO APPROVE: Councilmember Stackfleth

SECOND: Mayor Pro Tem Stearns

AYES: Engstrom, Stearns, Stackfleth, Wagner, Morter

NOES: None

ABSENT: None

ABSTAIN: None

9. US Environmental Protection Agency Cleanup grant applications

Logan Smith, Economic Development Council – Review of grant applications, where they can be found.
Clarifying questions from Council.

10. Discussion and possible action regarding response to claim of Brown Act Violation for action regarding Crystal Geyser EIR at Sept. 25, 2017 Council meeting.

John Kenny, City Attorney – Review of complaint, Council actions taken at September 25th City Council meeting, recommended rescinding actions to render the complaint moot.

Clarifying questions from Council.

Bruce Hillman – Comments in favor or rescinding the motions.

Peggy Risch – In support of rescinding.

Dorian Aiello – Concern regarding the rescinding of the previous actions.

Raven Stevens – Comments regarding September 25th actions and the County Planning Commission meeting.

Vicki Gold – Comments regarding rescinding action, Board of Supervisor's hearing.

John Kenny, City Attorney – Explanation of City comments as part of the record.

Deborah Cardenas – Question for clarification.

Council discussion.

COUNCIL ACTION: Rescind actions taken during the September 25th, 2017 City Council meeting based on Resolution No. CCR-17-67, with an amendment adding the word 'not'.

MOTION TO APPROVE: Councilmember Wagner

SECOND: Mayor Pro Tem Stearns

AYES: Stearns, Wagner, Morter

NOES: Engstrom, Stackfleth

ABSENT: None
ABSTAIN: None

11. Second Reading of Ordinance in Relation to Cannabis Industry and Land Use

Juliana Lucchesi, City Planner – Review of ordinance.

Clarifying questions from Council.

COUNCIL ACTION: Adopt CCO-17-07

MOTION TO APPROVE: Councilmember Wagner

SECOND: Mayor Pro Tem Stearns

AYES: Engstrom, Stearns, Wagner, Morter

NOES: Stackfleth

ABSENT: None

ABSTAIN: None

12. Second Reading of Ordinance in Relation to Cannabis Retail Licenses and Standards

Juliana Lucchesi, City Planner – Review of ordinance.

Clarifying questions from Council.

COUNCIL ACTION: Adopt CCO-17-08

MOTION TO APPROVE: Councilmember Wagner

SECOND: Mayor Pro Tem Stearns

AYES: Engstrom, Stearns, Wagner, Morter

NOES: Stackfleth

ABSENT: None

ABSTAIN: None

13. Second Reading of Ordinance in Relation to Cannabis Industry Licenses and Standards

Juliana Lucchesi, City Planner – Review of ordinance.

Clarifying questions from Council.

COUNCIL ACTION: Adopt CCO-17-09

MOTION TO APPROVE: Councilmember Wagner

SECOND: Mayor Pro Tem Stearns

AYES: Engstrom, Stearns, Wagner, Morter

NOES: Stackfleth

ABSENT: None

ABSTAIN: None

14. Approval of Budget Adjustment for Downtown Enhancement Advisory Committee Mural Project, "Rethink Downtown" Event, and Winter Magic Event

Bruce Pope, City Manager – Review of staff report.

Clarifying questions and Council discussion.

COUNCIL ACTION: Approve Resolution No. CCR-17-68

MOTION TO APPROVE: Mayor Pro Tem Stearns

SECOND: Councilmember Stackfleth

AYES: Engstrom, Stearns, Stackfleth, Wagner, Morter

NOES: None

ABSENT: None

ABSTAIN: None

15. Adoption of City Goals

Item tabled to a later meeting.

16. Enhanced Infrastructure Financing District and Community Revitalization Investment Authority

Bruce Pope, City Manager – Review of EIFD and CRIA.

Clarifying questions and discussion.

COUNCIL ACTION: Direct staff to do further research and make recommendations to the City Council as to what areas within the City to form an EIFD or CRIA, and to approach the County with the idea.

17. Approve City Participation in and Appointing Staff Member to Represent the City on an Advisory Committee to the Pacific Crest Trail Association for Mt. Shasta as a Pilot Trail Town

Bruce Pope, City Manager – Review of item.

Clarifying questions from Council and discussion.

COUNCIL ACTION: Approve Resolution No. CCR-17-69 with an amendment to add ‘or designee’ and to change the language to say ‘pilot trail town’

MOTION TO APPROVE: Mayor Pro Tem Stearns

SECOND: Councilmember Stackfleth

AYES: Engstrom, Stearns, Stackfleth, Wagner, Morter

NOES: None

ABSENT: None

ABSTAIN: None

18. Policy Regarding Storm Drain Connections

Bruce Pope, City Manager – Review of policy.

Clarifying questions from Council.

COUNCIL ACTION: Approve Resolution No. CCR-17-70

MOTION TO APPROVE: Mayor Pro Tem Stearns

SECOND: Councilmember Stackfleth

AYES: Engstrom, Stearns, Stackfleth, Wagner, Morter

NOES: None

ABSENT: None

ABSTAIN: None

CITY COUNCIL/STAFF REPORTING PERIOD

19. Council Reports on Attendance at Appointed/Outside Meetings:

John Stackfleth, Councilmember – Library Tax Advisory Committee, Downtown Enhancement Advisory Committee (September)

Barbara Wagner, Councilmember – Klamath Alliance for Resources and Environment forest tour, Start-Up Weekend, League of Local Agencies dinner, Poverty Awareness Coalition, Board of Supervisors, Local Transportation Commission, Active Transportation Committee

Tim Stearns, Mayor Pro Tem – Broadband meeting, Local Transportation Commission

Kathy Morter, Mayor – Beautification Committee, Team Shasta, Siskiyou Arts Council, League of Local Agencies dinner, Siskiyou Homelessness Coalition, Ford Family Foundation, Siskiyou Revitalization Network

20. Future Agenda Items (Appearing on the agenda within 60-90 days):

COUNCIL ACTION: Reviewed Items a through m.

- a. Housing Discovery Team Ad Hoc Committee Report – 11/13/17
- b. North State Giving Tuesday Proclamation – 11/13/17
- c. Presentation – Designating Lava Beds as a National Park – 11/13/17
- d. Review, Discuss, and Possible Action: City Council Protocols – 11/13/17
- e. First Reading of Amendment to Chapter 2.22 of the Municipal Code, Council Member Compensation – 11/13/17
- f. Broadband Next Steps – 11/13/17
- g. Mayor and Mayor Pro Tem Nominations – 11/27/17
- h. Siskiyou Arts Council Presentation – 11/27/ 17
- i. Library Building Capacity – TBD
- j. Discussion and Possible Action: How to Improve Communication Between Staff, Council, and Constituents - TBD

- k. Sisson Museum Transaction Tax and Report on All Potential Initiatives – TBD
- l. Tax Sharing Agreement - TBD
- m. Crystal Geyser Industrial User Permit – TBD

Items added: Revisit decisions in relation to the Crystal Geyser Environmental Impact Report, recycling progress report, presentation from Pacific Power on Blue Sky Community Grant Program, Americorp, and library Request for Proposal report.

21. Closed Session: Tabled to next meeting.

22. Adjourn: There being no further business, the meeting was adjourned at 10:28 p.m.

Respectfully Submitted by: Kathryn M. Wilson, Administrative Assistant/Deputy City Clerk

REQUEST TO SPEAK AT MEETING

Page 1

Meeting:

City Council Regular Meeting

Date:

10/23/2017

AGENDA ITEM NUMBER	NAME (PLEASE PRINT)	ADDRESS	INSIDE CITY LIMITS	OUTSIDE CITY LIMITS	EMAIL ADDRESS
✓ 5	BARBARA COULTER	736 PINE RIDGE AVE	YES!		—
✗ 5	Francis Mangels	736 Pine Ridge	✓		
✓ 9	June Dawson	7100 M SHASTA PATH	—	Mt Shasta County	junedawson2012@gmail.com
✓ 9	Melinda Willy	Mt Shasta			
✓ 4	Melinda Willy	Mt Shasta			
✓ 9	BRUCE HILLMAN	Mt. Shasta		X	—
✓ 5	Bayla Greenspan	Mt Shasta	no	✓	
✓ 5	Raven Stevens	Mt. Shasta		✓	
✓ 9	Raven Stevens	" "		✓	
✓ 5	Rose Taylor	Mt. Shasta	no	✓	
pass ✓ 4	Peggy Esch	" "	yes		
✓ 7	ROSLYN MCCOY		✓		
✓ 5	Mark Greenberg	Mt Shasta	yes		

If you wish to address the Council regarding a matter within their jurisdiction, but you do not wish to sign up on this form, please announce your request to speak either during the Public Comment portion of the Agenda for those matters not on the Agenda or when the Mayor opens the meeting to public comments for items already listed on the Agenda.

REQUEST TO SPEAK AT MEETING

Page 2

Meeting:

City Council Regular Meeting

Date:

10/23/17

AGENDA ITEM NUMBER	NAME (PLEASE PRINT)	ADDRESS	INSIDE CITY LIMITS	OUTSIDE CITY LIMITS	EMAIL ADDRESS
59	Vicki Gold	M.S.		✓	
59	JOAN KERNERY	M.S.			

If you wish to address the Council regarding a matter within their jurisdiction, but you do not wish to sign up on this form, please announce your request to speak either during the Public Comment portion of the Agenda for those matters not on the Agenda or when the Mayor opens the meeting to public comments for items already listed on the Agenda.

*CANNABIS
*Sign in

REQUEST TO SPEAK AT MEETING

Meeting:

City Council Regular Meeting

Date:

10/23/17

AGENDA ITEM NUMBER	NAME (PLEASE PRINT)	ADDRESS	INSIDE CITY LIMITS	OUTSIDE CITY LIMITS	EMAIL ADDRESS
✓	Bhoomi Betzen	1299 S. Main St		X	anandabecce@gmail

If you wish to address the Council regarding a matter within their jurisdiction, but you do not wish to sign up on this form, please announce your request to speak either during the Public Comment portion of the Agenda for those matters not on the Agenda or when the Mayor opens the meeting to public comments for items already listed on the Agenda.

REQUEST TO SPEAK AT MEETING

Meeting:

City Council Regular Meeting

Date:

10/23/17

AGENDA ITEM NUMBER	NAME (PLEASE PRINT)	ADDRESS	INSIDE CITY LIMITS	OUTSIDE CITY LIMITS	EMAIL ADDRESS
✓	Keegan Losleben	712 Meadow Ave ^{Shasta}	Yes		keeganlosleben@gmail.com

If you wish to address the Council regarding a matter within their jurisdiction, but you do not wish to sign up on this form, please announce your request to speak either during the Public Comment portion of the Agenda for those matters not on the Agenda or when the Mayor opens the meeting to public comments for items already listed on the Agenda.

FINAL ANALYSIS OF BROWNFIELDS CLEANUP ALTERNATIVES

**Mt. Shasta Old Mill
Mt. Shasta, Siskiyou County, California**



**Prepared for:
U.S. Environmental Protection Agency
Region 9**

**USACE Contract Number: W91238-11-D-0001
Project No.: 20074.063.515.1007.01**

April 2017

Prepared by:



Weston Solutions, Inc.
1340 Treat Boulevard, Suite 210
Walnut Creek, CA 94597-7580
(925) 948-2600

FINAL ANALYSIS OF BROWNFIELDS CLEANUP ALTERNATIVES

**Mt. Shasta Old Mill
Mt. Shasta, Shasta County, California**

**USACE Contract Number: W91238-11-D-0001
Project No.: 20074.063.515.1007.01**

Approved by:  _____
Tara Fitzgerald, Project Manager
Weston Solutions, Inc. 4/21/2017
Date

Approved by:  _____
Brian Milton, ABCA Quality Assurance Coordinator
Weston Solutions, Inc. 4/21/2017
Date

Approved by: _____
Lisa Hanusiak, Interagency Agreement Project Officer
U.S. Environmental Protection Agency, Region 9
Date

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LIST OF ABBREVIATIONS AND ACRONYMS

2,3,7,8-TCDD	2,3,7,8-tetrachloro dibenzo-p-dioxin
ABCA	Analysis of Brownfields Cleanup Alternatives
bgs	below ground surface
CFR	Code of Federal Regulations
RWQCB	California Regional Water Quality Control Board
DTSC	Department of Toxic Substances Control
E&E	Ecology and Environment, Inc.
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
ESL	Environmental Screening Level
HAZWOPER	Hazardous Waste Operations and Emergency Response
IC	Institutional Control
LDRs	Land Disposal Restrictions
LUC	Land Use Covenant
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
OEHHA	Office of Environmental Health Hazard Assessment
OSHA	Occupation Safety and Health Administration
PCP	pentachlorophenol
RCRA	Resource Conservation and Recovery Act
RSL	Regional Screening Level
Site	Mt. Shasta Old Mill Site
STLC	Soluble Threshold Limit Concentration
TBA	Targeted Brownfields Assessment
TCLP	Toxicity Characteristic Leaching Procedure
TPH-d	total petroleum hydrocarbons as diesel
TPH-mo	total petroleum hydrocarbons as motor oil
VOCs	volatile organic compounds
WESTON®	Weston Solutions, Inc.

EXECUTIVE SUMMARY

The U.S. Environmental Protection Agency (EPA) Region 9 tasked Weston Solutions, Inc. (WESTON®) under Contract Number W91238-11-D-0001 to conduct a Targeted Brownfields Assessment (TBA) consisting of a combined Phase I/II Environmental Site Assessment (ESA) at the Mt. Shasta Old Mill site in Mt. Shasta, Siskiyou County, California, herein referred to as the Site. The purpose of the TBA was to assess environmental concerns in order to facilitate redevelopment opportunities at the Site. This Analysis of Brownfields Cleanup Alternatives (ABCA) report identifies and compares different cleanup scenarios to address contaminants identified during the Phase I/II TBA (WESTON, 2016). The cleanup scenarios are ranked on effectiveness, implementability, and cost.

The Site is planned for redevelopment as part of ‘The Landing’ commerce park development by the City of Mt. Shasta, which will include commercial space and/or green space. Cleanup of the Site to a commercial/industrial standard will be required before planned reuse/redevelopment can begin.

The Site is currently vacant; however, there is currently unauthorized recreational use at the Site. The Site occupies 13 acres of a planned commerce park development occupying approximately 127 acres of City owned land (Figure ES-1). Historical business operations potentially contributing to contamination at the Site include the former lumber milling operations conducted between 1900 to the 1960s. A former log pond was used for storage and lumber processing. A former dip tank was used for pentachlorophenol (PCP) treatment of wood. A former boiler room and refuse burner were also located onsite for mill activities. The City of Mt. Shasta took ownership of the Site in 1989. The log pond was filled in and the dip tank, boiler room, and refuse burner were removed from the Site some time between the 1960s and 1989. The foundation of a former structure remains at the Site (Figure ES-2). The following environmental concerns were identified during the Phase I/II TBA:

- Total Petroleum Hydrocarbons in Site soil at concentrations above human health screening levels in historical samples collected in the vicinity of the former boiler room and the former refuse burner (Figure ES-3). One soil sample within the former log pond also exceeded the human health screening level for TPH-d.
- PCP in Site soil at concentrations above human health screening levels for shallow soil exposure (less than 10 feet below ground surface): commercial/industrial use in historical samples collected in the vicinity of the former dip tank (Figure ES-3).
- Dioxins/furans in Site soil at concentrations above human health screening levels for shallow soil exposure (less than 10 feet below ground surface): commercial/industrial use (Figure ES-4).
- Dioxin/furans concentrations present at the Site exceed the human health screening level for any land use/any depth soil exposure: construction worker in six soil sample locations throughout the Site. Therefore, appropriate personal protection equipment should be utilized during redevelopment activities at the Site.

Table ES-1 summarizes five cleanup options identified to address these concerns in order to protect human health. The cost estimates presented in this ABCA are rough order-of-magnitude estimates prepared solely for the comparison of the identified alternatives and should not be used as design-level estimates. The remediation costs associated with each alternative were based on the human health screening levels being used as the remediation action levels. Upon submitting a risk assessment and risk management decisions, the remediation action levels could be different than the human health screening levels, which would lower or raise the remediation costs.

Five options were evaluated for the Site based on effectiveness, implementability, and cost:

- Alternative 1-No action.
- Alternative 2- Soil Excavation and Disposal with placement of an aggregate base - Soil excavation to 1-ft below ground surface (bgs) and backfill of entire footprint containing soils with TPH and PCP exceeding human health screening levels. Soils containing dioxins exceeding human health screening levels would be left in place (Figure ES-5). A land use covenant (LUC) would be put in place for the remaining open space with soils exceeding human health screening levels. The LUC would specify that development cannot occur in soils left in place, and that other areas with impacted surface soils may need to be fenced to prevent access within the dioxin exceedance area shown in Figure ES-5. Institutional controls (ICs) would be required within the PCP and TPH remediation areas to manage soils containing PCP or TPH above the human health screening levels that are left at depths greater than 1-ft bgs by restricting access to the soils and requiring a soil management plan in the event construction occurs at depths below 1 ft. bgs. The ICs will also require that aggregate base used to cap the contamination is maintained. Additionally, ICs will be required within the dioxin exceedances area shown in Figure ES-5 to keep site users from exposure to soils, including, but not limited to, fencing soils containing dioxins above human health screening levels. A vegetative cap may require maintenance on soils containing dioxins above human health screening levels in order to reduce potential exposure to dioxins in fugitive dust to site users.
- Alternative 3-Soil Excavation and Disposal with placement of an aggregate base - Soil excavation to 1-ft bgs and backfill of entire footprint containing soils with TPH, PCP, and dioxins exceeding human health screenings. Additional characterization would be required to determine the full lateral extent of the dioxin contamination onsite and offsite. However, based on existing soil sampling data and for the purpose of this ABCA, the estimated area impacted by dioxins is shown on Figure ES-6. A land use covenant (LUC) would be put in place for the remaining open space with soils exceeding human health screening levels at depths below 1-ft bgs. ICs would be required within the dioxin, PCP, and TPH remediation areas to manage soils containing contaminants above the human health screening levels that are left at depths greater than 1-ft bgs by restricting access to the soils and requiring a soil management plan in the event construction occurs at depths below 1-ft bgs. The ICs will also require that aggregate base used to cap the contamination is maintained.
- Alternative 4-Soil Excavation and Disposal with Clean Soil Replacement - Soil excavation to 4-ft bgs of entire footprint containing soils with TPH, PCP, and dioxins exceeding human health screenings. Excavated soil will be disposed of and the excavated

area will be replaced with clean imported fill. Additional characterization would be required to determine the full lateral and vertical extent of the dioxin contamination onsite and offsite (Figure ES-7). A land use covenant (LUC) would be put in place for the remaining open space with soils exceeding human health screening levels at depths below 4-ft bgs. ICs would be required within the dioxin, PCP, and TPH remediation areas to manage soils containing contaminants above the human health screening levels that are left at depths greater than 4-ft bgs by restricting access to the soils and requiring a soil management plan in the event construction occurs at depths below 4-ft bgs. The ICs will also require that aggregate base used to cap the contamination is maintained. Alternative 5-Capping Soils Containing TPH, PCP, and dioxins above human health screening levels in place – Soil Excavation to 4-ft bgs of soils containing PCP above human health screening levels, consolidation onto Dioxin Remediation Area, Cap with Imported Fill Material and Rock. Additional characterization would be required to determine the full lateral extent of the dioxin contamination onsite and offsite. (Figure ES-8). Additional LUCs restricting complex structures (e.g. underground parking structures, ponds, and buildings with basements or deep foundations) would need to be maintained. ICs, including minor maintenance of the cap would need to be performed on an infrequent basis.

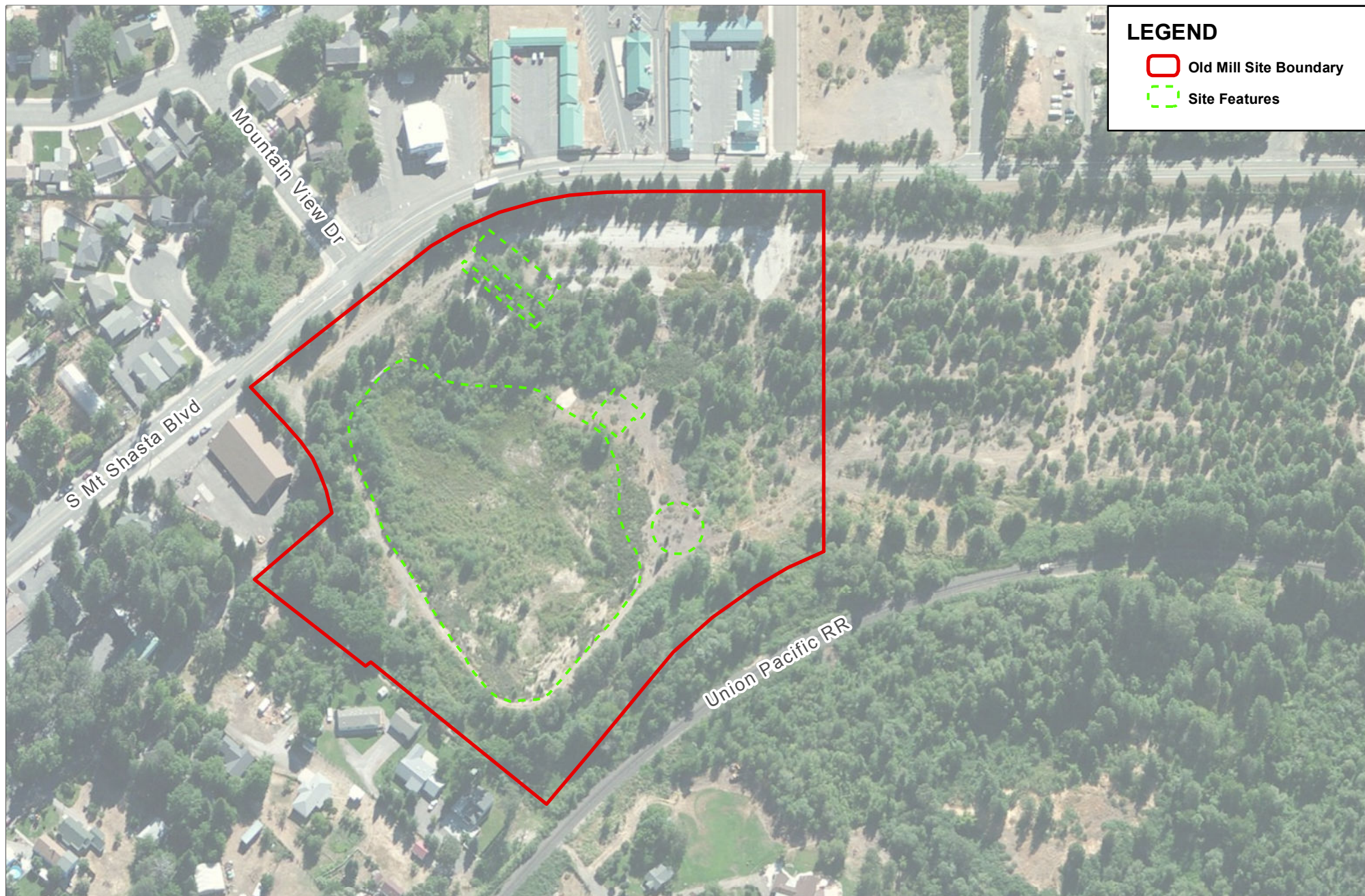
Table ES-1
Summary and Comparison of Cleanup Alternatives

Alternative	Actions	Effectiveness	Implementability	Approximate Cost ¹	Considerations
1: No Action	None	Low	Easy	None	Unable to reuse Site for planned use.
2: Soil Excavation to 1-ft bgs of soils containing TPH and PCP above human health screening levels.	Excavate to a depth of 1 feet along a path where soil contains TPH and PCP in excess of human health screening level; characterize excavated soil for disposal in accordance with the receiving facility requirements, and transport excavated soil for disposal at the appropriate facility in accordance with applicable regulations. Replace excavated soil with aggregate base. A LUC and ICs would be required within the PCP and TPH remediation areas as well as the dioxin exceedance area.	Moderate	Moderately Easy	\$250,500	Based on preliminary soil waste profile sampling, excavated soil is not a California hazardous waste. The soil would be transported to an appropriate landfill. Assumes soil can be stockpiled onsite while awaiting disposal characterization. Restricted use of the Site would be required in perpetuity. –If PCP-containing wastes are subject to Land Disposal Restrictions per 40 CFR 264-268, disposal costs are likely to increase by approximately one order of magnitude. ICs enacted will require monitoring in perpetuity.
3: Soil Excavation to 1-ft bgs of soils containing TPH, PCP, and dioxins above human health screening levels.	Excavate to a depth of 1 feet throughout Site where soil contains TPH, PCP, and/or dioxins/furans in excess of the human health screening level; characterize excavated soil for disposal in accordance with the receiving facility requirements, and transport excavated soil for disposal at the appropriate facility in accordance with applicable regulations. Replace excavated soil with aggregate base. A LUC and ICs would be required within the dioxin, PCP, and TPH remediation areas.	Moderate to High	Moderately Easy	\$1,780,000	Based on preliminary soil waste profile sampling, excavated soil is not a California hazardous waste. The soil would be transported to an appropriate landfill. Assumes soil can be stockpiled onsite while awaiting disposal characterization. If PCP and or dioxin containing wastes are subject to Land Disposal Restrictions per 40 CFR 264-268, disposal costs are likely to increase by approximately one order of magnitude. ICs enacted will require monitoring in

					perpetuity.
4: Soil Excavation to 4-ft bgs of soils containing TPH, PCP, and dioxins above human health screening levels..	Excavate to a depth of 4 feet throughout Site where soil contains TPH, PCP, and/or dioxins/furans in excess of the human health screening level; characterize excavated soil for disposal in accordance with the receiving facility requirements, and transport excavated soil for disposal at the appropriate facility in accordance with applicable regulations. Replace excavated soil with clean fill. A LUC and ICs would be required within the dioxin, PCP, and TPH remediation areas.	Moderate to High	Moderately Easy	\$5,985,000	Based on preliminary soil waste profile sampling, excavated soil is not a California hazardous waste. The soil would be transported to an appropriate landfill. Assumes soil can be stockpiled onsite while awaiting disposal characterization. If PCP and or dioxin containing wastes are subject to Land Disposal Restrictions per 40 CFR 264-268, disposal costs are likely to increase by approximately one order of magnitude. ICs enacted will require monitoring in perpetuity.
5: Consolidation of soils containing PCP and TPH above human health screening levels on the dioxin remediation area and cap placement.	Cover assumed to be constructed over cleared and grubbed contaminated areas. Overlay contaminated areas plus 5% extra with geotextile fabric. Total cap area assumed to be 144,200 sq. ft. Assume cap will be hydroseeded with CA native pasture mix for erosion control. A LUC and ICs would be required within the dioxin, PCP, and TPH remediation areas.	Moderate to High	Moderately Difficult	\$1,450,000	Assumes any maintenance costs will be borne by applicant as part of normal site maintenance and landscaping (no on-going O&M costs were included). Likely to prevent building of most, if not all, structures in this area. LUCs would need to be in place while waste remains onsite. ICs enacted will require monitoring in perpetuity.

Notes:

- 1 The cost estimates presented in this ABCA are rough order of magnitude estimates prepared solely for the comparison of the identified alternatives and should not be used as design-level estimates.



LEGEND

- Old Mill Site Boundary
- Site Features

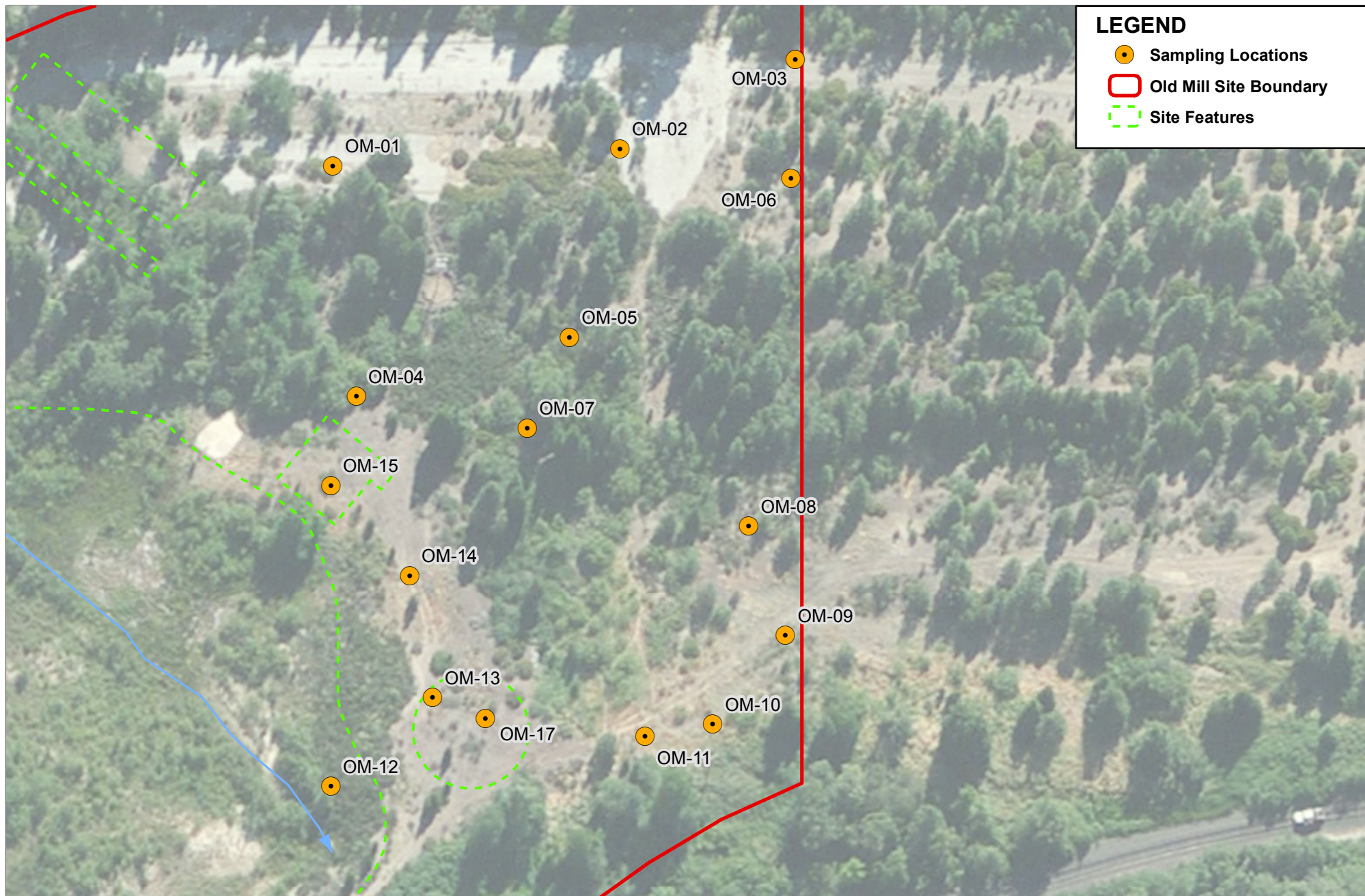


PREPARED BY:
 Weston Solutions, Inc.
 1340 Treat Blvd, Ste 210
 Walnut Creek, CA 94597

PREPARED FOR:
 EPA Region 9
 Pacific
 Southwest
 Division



FIGURE ES-1
Site Summary Map
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment



0 Feet 100

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 Walnut Creek, CA 94597

PREPARED FOR:
 EPA Region 9
 Pacific
 Southwest
 Division



FIGURE ES-2
Sampling Locations
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment

FIGURE ES-3 TPH Soil Sampling Exceedances

Mt. Shasta Old Mill Site
Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment

LEGEND

 Old Mill Site Boundary

 Site Features

2016 TBA Sampling Locations with TPH Commercial ESL Exceedances

 TPH-d Exceedances at 0-2 ft bgs

 No Exceedances

Historical Samples with TPH Commercial ESL Exceedances

 TPH-d / TPH-mo Exceedances at 0-1 ft bgs

 TPH-d / TPH-mo Exceedances at 1-2 ft bgs

 TPH-d / TPH-mo Exceedances at 4-5 ft bgs

 No Exceedances

Notes:

All result units are in mg/kg.
TPH-d Screening Level = 230 mg/kg.
TPH-mo Screening Level = 5,100 mg/kg
TPH results in **red** exceed the screening level.

Abbreviations:

bgs = below ground surface
ESL = Environmental Screening Level
ft = foot
TBA = Targeted Brownfields Assessment
TPH-d = total petroleum hydrocarbons as diesel
TPH-mo = total petroleum hydrocarbons as motor oil

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0 Scale in Feet 200

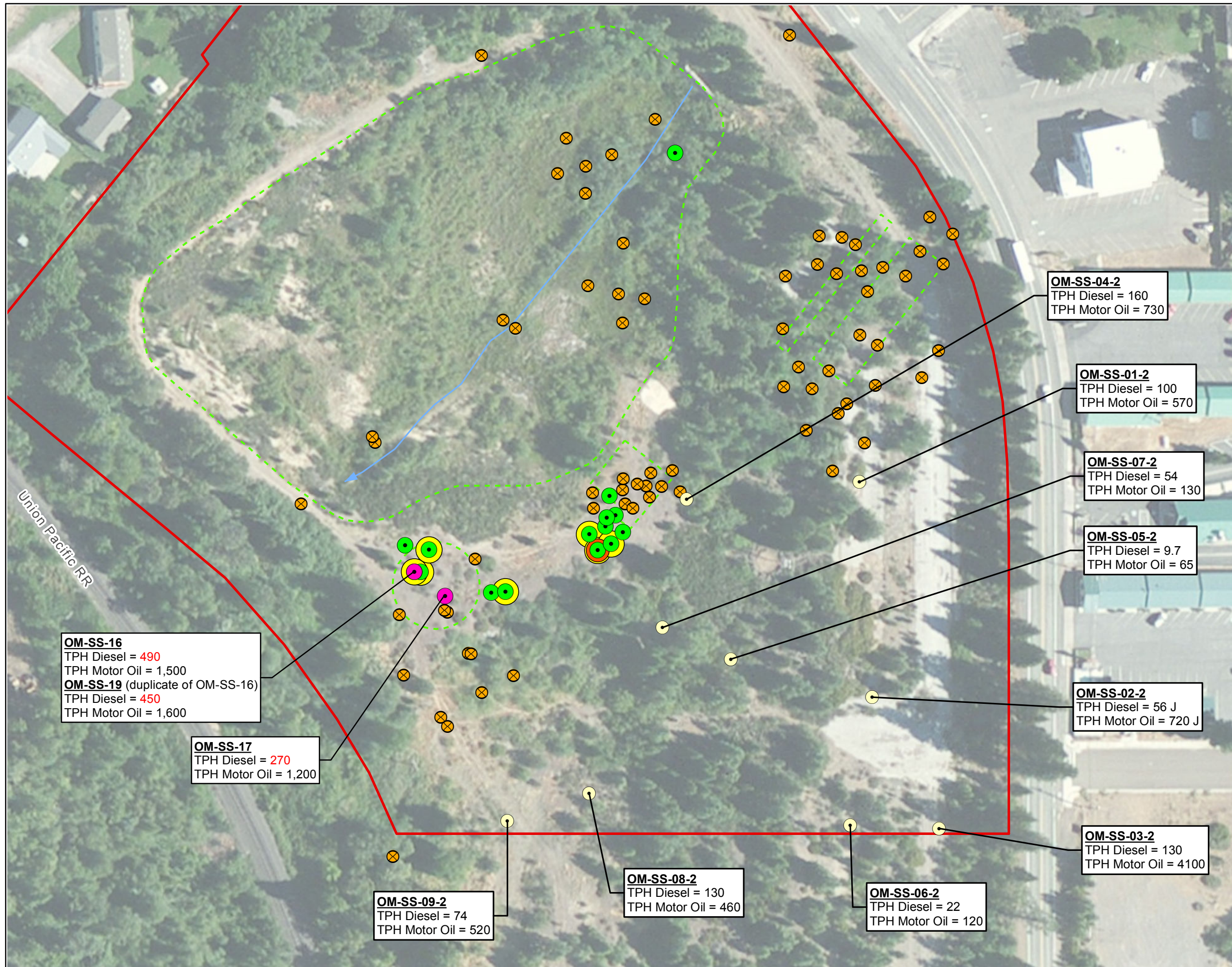




FIGURE ES-4
Dioxins/Furans Soil
Sampling Exceedances
Mt. Shasta Old Mill Site
Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment




LEGEND

-  Old Mill Site Boundary
 Site Features

2016 TBA Sampling Locations with Total Dioxin TEQ Commercial ESL Exceedances

-  Exceedances at 4 to 5 ft bgs
 Exceedances at 0 to 2 ft bgs

Historical Samples with Total Dioxin TEQ Exceedances

-  Exceedances at 1 ft bgs
 Exceedances at 2 ft bgs
 Exceedances at 5 ft bgs

Notes:
All result units are in mg/kg.
Total Dioxin Screening Level = 4.9 E-06 mg/kg.
Dioxin results in **red** exceed the screening level.

Abbreviations:
bgs = below ground surface
ESL = Environmental Screening Level
ft = Foot
TBA = Targeted Brownfields Assessment
TEQ = Toxic Equivalents

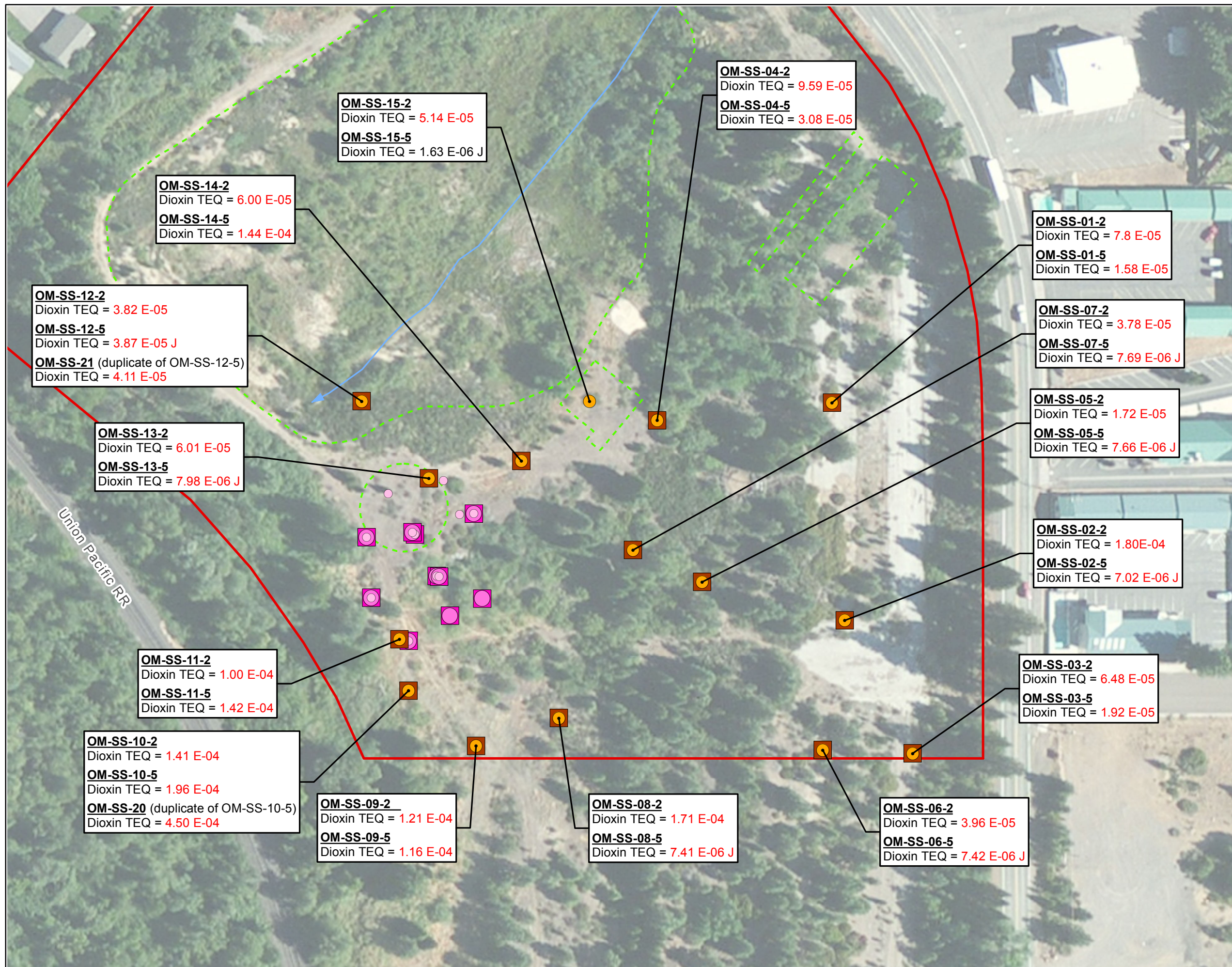
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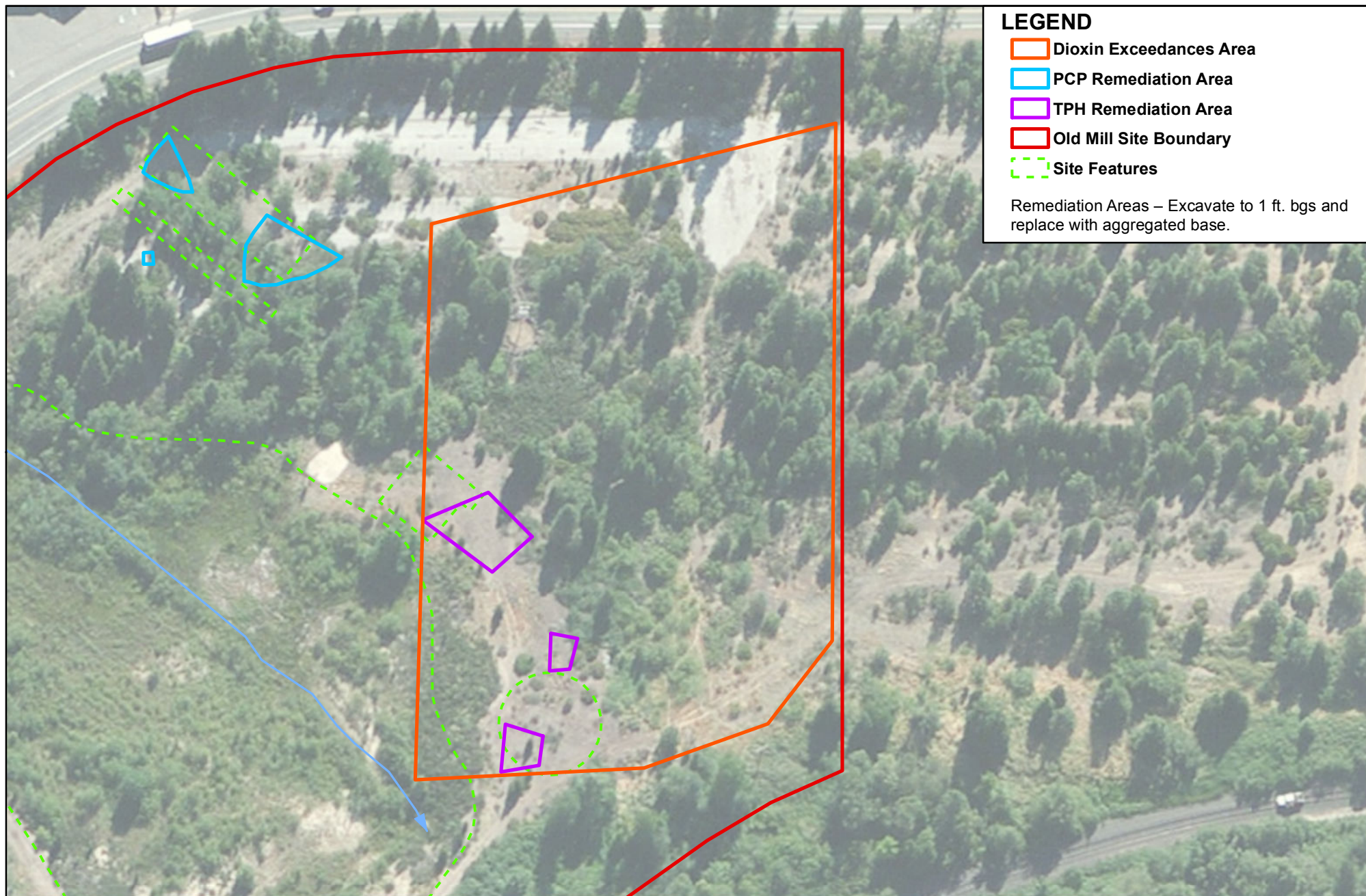


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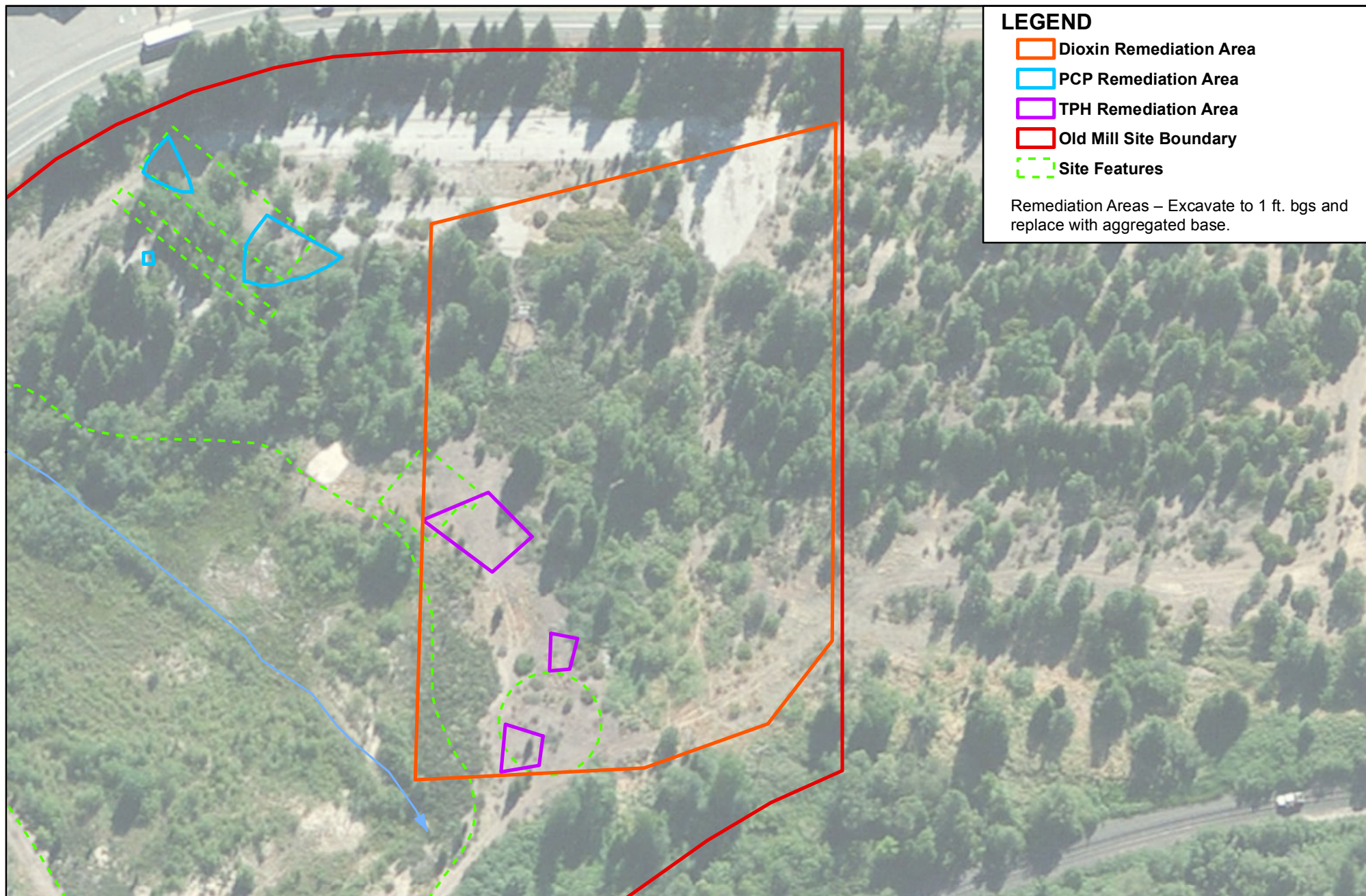


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FIGURE ES-5
Alternative 2
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
 Targeted Brownfields Assessment

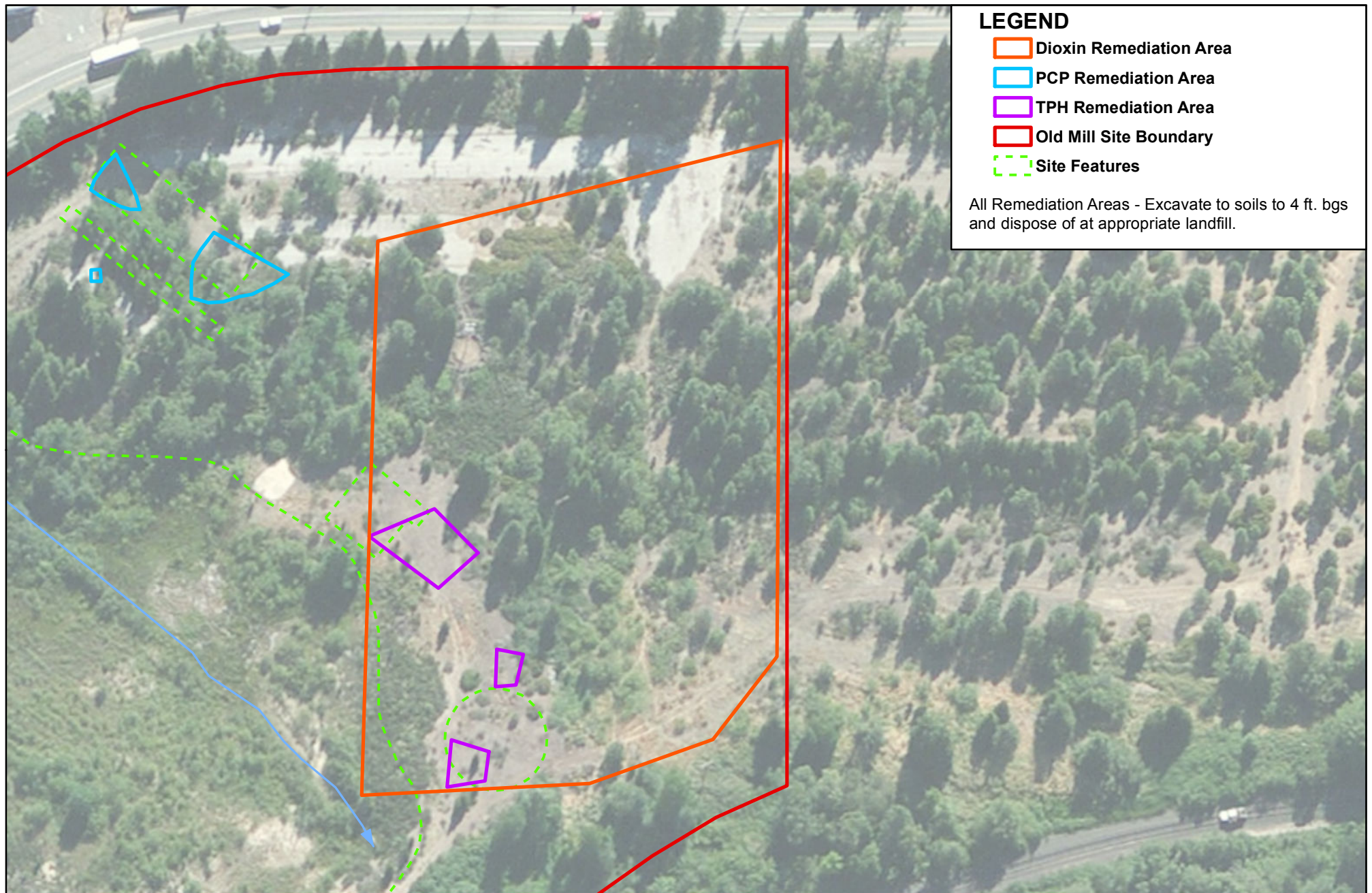


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FIGURE ES-6
Alternative 3
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
 Targeted Brownfields Assessment



LEGEND

- Dioxin Remediation Area
- PCP Remediation Area
- TPH Remediation Area
- Old Mill Site Boundary
- Site Features

All Remediation Areas - Excavate to soils to 4 ft. bgs and dispose of at appropriate landfill.

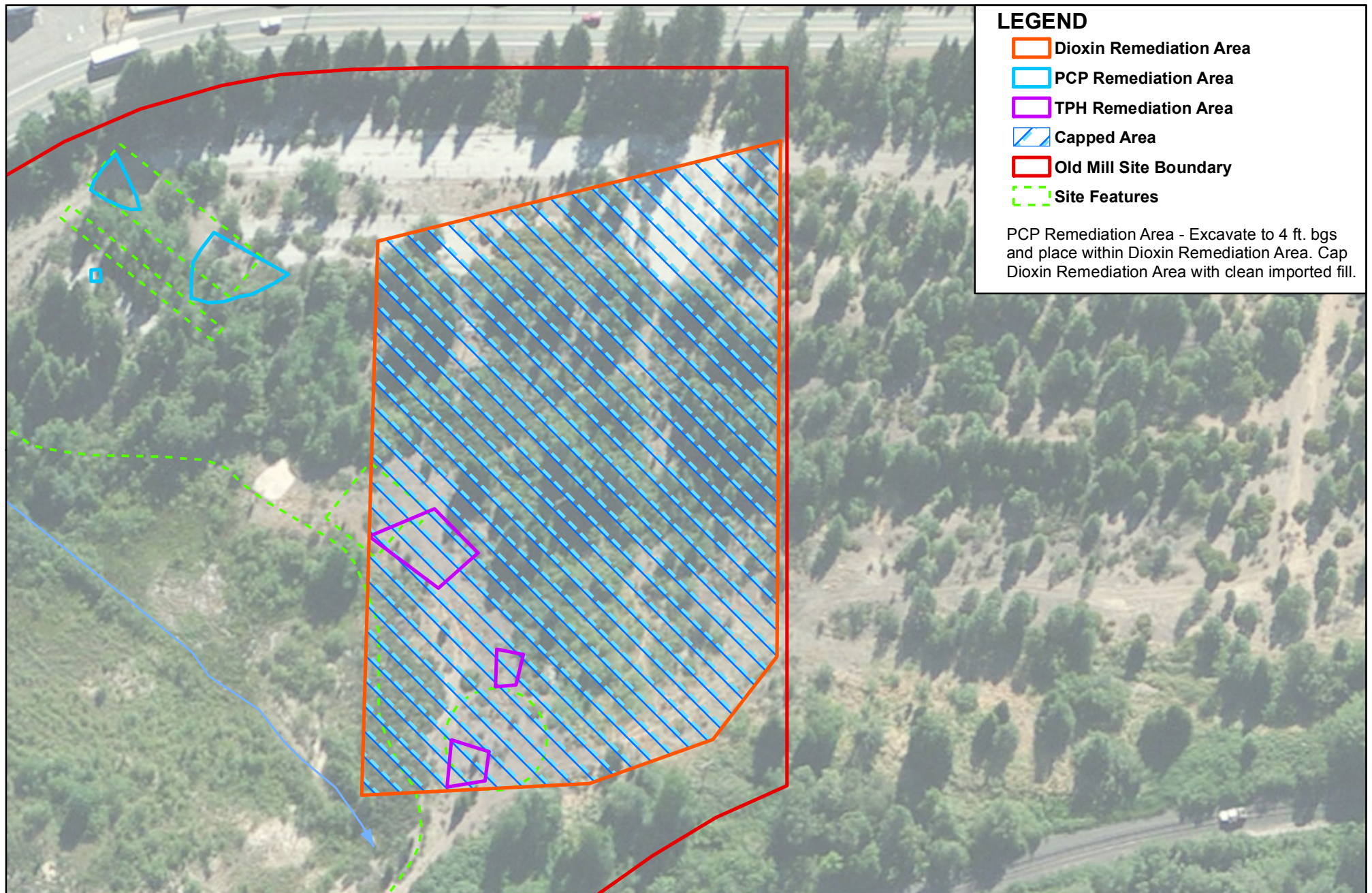


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FIGURE ES-7
Alternative 4
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment



LEGEND

- Dioxin Remediation Area
- PCP Remediation Area
- TPH Remediation Area
- Capped Area
- Old Mill Site Boundary
- Site Features

PCP Remediation Area - Excavate to 4 ft. bgs and place within Dioxin Remediation Area. Cap Dioxin Remediation Area with clean imported fill.



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FIGURE ES-8
Alternative 5
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment

1. INTRODUCTION AND BACKGROUND

The U.S. Environmental Protection Agency (EPA) Region 9 tasked Weston Solutions, Inc. (WESTON®) under Contract Number W91238-11-D-0001 to conduct a Targeted Brownfields Assessment (TBA) consisting of a combined Phase I/II Environmental Site Assessment (ESA) at the Mt. Shasta Old Mill site in Mt. Shasta, Siskiyou County, California, herein referred to as the Site (Figure 1). The TBA was conducted to characterize conditions at the Site because it is being considered for planned redevelopment or reuse. The Site is currently unused, but is planned for redevelopment as part of 'The Landing' commerce park development by the City of Mt. Shasta, which will include commercial space and/or green space.

The purpose of this ABCA is to evaluate possible remedial alternatives based on Site conditions and the anticipated reuse of the Site. This evaluation will be expanded, modified if necessary, and incorporated into the final Site Cleanup Plan for review by the community, project partners, the regulatory oversight agency, and EPA.

1.1 SITE LOCATION

The Site is located in the southern portion of the City of Mt. Shasta, Siskiyou County, California (Figure 1). The Site occupies 13 acres of a planned commerce park development occupying approximately 127 acres of City-owned land. The Site occupies a portion of the Assessor's Parcel Number 067-010-010. The Site is bordered on the north and east by commercial and residential properties, to the south by undeveloped land, and the remainder of the parcel, which is also a former lumber mill, and to the west by the Union Pacific Railroad Company rail line. The Site is currently vacant, but was previously the location of lumber milling operations. The Site layout and outlines of the former milling operations are shown on Figure 2.

The Site is currently vacant; however there is currently unauthorized recreational use being conducted at the Site. In the immediate vicinity of the Site, the historical land use has been mixed industrial, commercial, and residential.

1.2 OWNERSHIP AND PREVIOUS USE

The Phase I ESA identified that the primary land use at the Site has been industrial. Historical business operations potentially contributing to contamination at the Site include the former milling operations conducted between 1900 to the 1960s. A former log pond was used for storage and lumber processing. A former dip tank was used for PCP treatment of wood. A former boiler room and refuse burner were also located onsite for mill activities. The City of Mt. Shasta took ownership of the Site in 1989. The log pond was filled in and the dip tank, boiler room, and refuse burner were removed from the Site some time between the 1960s and 1989.

1.3 PREVIOUS INVESTIGATIONS

In 1998, Ecology & Environment, Inc. (E&E) conducted a Targeted Site Assessment that focused on the area of the historical lumber mill operations and included soil, sediment, surface water, and groundwater sampling (E&E 1998). Laboratory analytical results for PCP, total petroleum hydrocarbons (TPH) as diesel (TPH-d), and dioxins/furans were above human health

screening levels in shallow soil samples collected from various locations at the Site. The highest TPH-d concentration of 47,000 milligrams per kilogram (mg/kg) was detected in a soil sample from the former dip tank and transfer pit area. PCP and TPH as gasoline (TPH-g) were detected in two groundwater samples at concentrations of 12 micrograms per liter (µg/L) and 734 µg/L, respectively. Volatile organic compounds (VOCs) were not detected in any of the soil or water samples. It is unclear if the samples were analyzed for VOCs using EPA Method 8260.

In 2005, a follow up Targeted Site Assessment was conducted by E&E to further assess contamination in soil, groundwater, and surface water (E&E, 2005). Laboratory analytical results for PCP and TPH as motor oil (TPH-mo) were above human health screening levels in shallow soil samples collected from various locations at the Site. The highest TPH-mo concentration was detected in a soil sample collected near the former dip tank and transfer pit at a concentration of 2,700 mg/kg. Groundwater sampling results for PCP, TPH-d, and TPH-mo were above human health screening levels at some locations.

In 2007, a Targeted Site Investigation was conducted by URS Corporation (URS) to further assess the PCP and TPH-d contaminated soil and groundwater west of the former dip tank and transfer pit (URS, 2007). At one boring on the western edge of the former dip tank, PCP and TPH-d concentrations were detected at concentrations above human health screening levels in the soil and groundwater samples.

In 2013 and 2014, Geocon Consultants, Inc. (Geocon) conducted a Phase II ESA to further assess the extent of contamination at the Site and determine whether additional assessment or cleanup would be necessary prior to developing the Site. Soil containing PCP concentrations above human health screening levels were generally limited to the former dip tank area and the area southwest of it (Geocon, 2014). Soil samples containing TPH-d concentrations above human health screening levels were limited to the north end of the former transfer pit, the area southwest of the former boiler room, and the areas north and east of the former refuse burner. Dioxins/furans concentrations were detected in soil samples collected in the area surrounding the former refuse burner at concentrations above human health screening levels.

In 2015, Geocon conducted a Final Targeted Site Investigation to further evaluate the extent of contaminants at the Site and build on the findings of the previous investigations. Previous investigations had identified PCP and TPH-d concentrations above human health screening levels in soil and groundwater, which were limited to the former building footprint and southwest of the former building. Sampling and analysis was conducted by Geocon to define the extent of these contaminants in soil and groundwater. From the investigation, it was determined that the lateral extent of TPH-d in soil had not been defined to the southwest of the former boiler room, nor had the downgradient extent of TPH-d in groundwater been delineated. TPH-d and TPH-mo impacts to groundwater in the area north of the refuse burner were identified but their extent had not been defined. TPH-d and TPH-mo impacts to sediments in Mill Creek and the log pond were observed, but no significant impacts of any analyte of concern were observed in surface water at this location.

1.4 PROJECT GOAL

The project goal is to mitigate exposure to the identified contaminants to levels appropriate for the planned redevelopment as a commercial property.

2. APPLICABLE REGULATIONS AND CLEANUP STANDARDS

2.1 CLEANUP OVERSIGHT RESPONSIBILITY

The City of Mt. Shasta has entered into a Voluntary Cleanup Agreement (VCA) with the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC). Voluntary Cleanup Program Properties are low-threat-level properties with either confirmed or unconfirmed contaminant releases where the project proponents have request that DTSC oversee investigation and/or cleanup activities, and have agreed to provide coverage for DTSC's costs. The assumptions discussed in Sections 3 and 4 would require DTSC concurrence.

2.2 CLEANUP STANDARDS FOR MAJOR CONTAMINANTS

Cleanup standards for metals detected at the Site are based on the California Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) – Direct Exposure Human Health Levels for Commercial/Industrial Shallow Soil Exposure. The ESL for dioxin (2,3,7,8-TCDD) is 2.2×10^{-5} mg/kg and PCP is 4 mg/kg. TPH results are compared to RWQCB Tier 1 ESLs for TPH-d and TPH-mo, which are 230 mg/kg and 5,100 mg/kg, respectively. For the purpose of the ABCA, the ESLs were assumed to be the potential cleanup standard. DTSC concurrence with the proposed cleanup standards would be required.

2.3 LAWS AND REGULATIONS APPLICABLE TO THE CLEANUP

This section is for informational purposes only and the TBA applicant (or the party undertaking the cleanup) is responsible for ensuring compliance with all applicable laws and regulations.

Cleanup activities at the Site should be conducted by contractors operating in accordance with the U.S. Department of Labor Occupational Safety & Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) standard codified at 29 Code of Federal Regulations (CFR) 1910.120. The HAZWOPER standard applies to cleanup operations required by federal, state, local, or other governmental body involving hazardous substances.

Federal laws and regulations applicable to this cleanup include the Small Business Liability Relief and Brownfields Revitalization Act and the Davis-Bacon Act. Federal, state, and local laws regarding procurement of contractors to conduct the cleanup are also applicable.

In addition, excavation and grading permits and underground service alert notifications are potentially required prior to cleanup activities. The SCEMD would be contacted for potential input regarding work plan preparation and permitting.

Soil containing PCP and dioxins/furans that is taken off site for disposal may be subject to Land Disposal Restrictions (LDRs) specified in 40 CFR 268.30 (Wood Preserving Wastes) and 268.31 (Dioxin-Containing Wastes). Currently, detected concentrations in soil samples collected from the site do not appear to exceed the standards listed in 40

CFR 268 Subpart D-Treatment Standards with some exceptions for PCP. However, if waste profile sampling results exceed the treatment standards and the wastes are subject to LDRs, the estimated costs for off-site disposal would increase by approximately one order of magnitude.

3. EVALUATION OF BROWNFIELDS CLEANUP ALTERNATIVES

3.1 CLEANUP ACTION OBJECTIVES

The cleanup action objective is to mitigate the identified contaminants to levels appropriate for the planned reuse as a future commercial park and/or green space.

Results of the Phase II TBA sampling effort identified TPH, PCP, and dioxins/furans at concentrations exceeding the human health screening levels for this analyte. TPH, PCP, and dioxins/furans were reported above the human health screening level in surface and subsurface soil throughout the Site (Figure 3).

A preliminary waste characterization evaluation soils potentially requiring disposal indicates that contaminated soil at the Site would likely be classified as non-hazardous waste.

3.2 IDENTIFICATION AND EVALUATION OF CLEANUP ALTERNATIVES

Based on the planned reuse, five options were evaluated: (1) No action; (2) Soil Excavation to 1-ft bgs of soils containing TPH and PCP above human health screening levels, Disposal, Replacement with an aggregate base; (3) Soil excavation within the footprint of soils containing dioxins above the human health screening level to 1-ft bgs, off-site disposal as a non-hazardous waste, and placement of an aggregate base along the footprint; (4) Soil excavation to 4 ft bgs, confirmation soil sampling, and disposal as a non-hazardous waste, and adding clean fill to the excavated area.; and (5) Excavation and consolidation of soils containing TPH and PCP above human health screening levels onto the dioxin remediation area and capping with soil and rock.

Each cleanup alternative was first evaluated to determine whether it would achieve the overall project goal to mitigate the identified contaminants to levels appropriate for the planned reuse. Those alternatives deemed capable of achieving the overall project goal were further evaluated for effectiveness, implementability, and cost. The cost estimates presented in this document are rough order-of-magnitude estimates that were prepared solely for the comparison of the identified alternatives and should not be used as design-level estimates. The remediation costs associated with each alternative were based on the human health screening levels being used as the remediation action levels. Upon submitting a risk assessment and risk management decisions, the remediation action levels could be different than the human health screening levels, which would lower or raise the remediation costs.

The proposed alternatives do not remove all contaminants and there may be potential threats to groundwater that are not addressed by the remedial measures proposed in this ABCA. Therefore, if implemented alone, none of the alternatives is expected to achieve site closure. A description of each alternative and the results of the comparative analysis are presented below.

Alternative 1 – No Action

The No Action Alternative is included as a baseline for comparison to the other proposed alternatives. The No-Action Alternative assumes that the impacted media would remain in place without treatment.

Effectiveness: This alternative would not provide for mitigation of the actual or potential risks posed by the impacted media. If no corrective action is taken, the Site cannot be reused for commercial purposes. Casual trespassers would continue to be potentially exposed to contaminants.

Implementability: This alternative is easily implemented.

Cost: No costs would be incurred during the implementation of this alternative.

Alternative 2 – Soil Excavation to 1-ft bgs of soils containing TPH and PCP above human health screening levels, Disposal, Replacement with an aggregate base

Implementing this alternative would remove soils along a pathway to a maximum depth of 1 foot bgs. The soils would be excavated from specified areas that exceeded the human health TPH screening levels or human health PCP screening levels (Figure 5). As the remaining soils exceeding human health screening levels will be left in place, additional site characterization will not be conducted to determine the lateral or vertical extent of contamination. Additional site characterization leading offsite is required to determine the lateral extent of dioxin contamination and that characterization is not included as part of this cost estimate. An estimated 4,100 square feet of soil will be removed to a depth of 1 feet bgs at the Site. Approximately 300 square feet would be excavated from the PCP remediation area and 3800 square feet would be excavated from the TPH remediation area. The existing trees and stumps will need to be removed to excavate impacted soil at the Site. Approximately 152 bank cubic yards (measurement or calculation of soil or rock in its natural state), or 228 tons, of excavated soil is anticipated to require disposal as a non-hazardous waste. Approximately 11 bank cubic yards of PCP impacted soil and 141 bank cubic yards of TPH impacted soil would be excavated and disposed of off-site.

The excavated soil would be stockpiled on-site, pending laboratory analysis for waste characterization (3 waste characterization samples assumed). The TBA sample results suggest that the soil would be a non-hazardous waste. The excavated soil would be transported off-site for disposal at an appropriately licensed treatment/disposal facility. The excavation would be backfilled and compacted with aggregate base.

A land use covenant (LUC) would be put in place for the remaining open space with soils exceeding human health screening levels. The LUC would specify that development cannot occur in soils left in place, and that other areas with impacted surface soils may need to be fenced to prevent access within the dioxin exceedance area shown in Figure 5. Institutional controls (ICs) would be required within the PCP and TPH remediation areas to manage soils containing PCP or TPH above the human health screening levels that are left at depths greater than 1-ft bgs by restricting access to the soils and requiring a soil management plan in the event construction occurs at depths below 1 ft. bgs. The ICs will also require that aggregate base used to cap the contamination is maintained. Additionally, ICs will be required within the dioxin

exceedances area shown in Figure ES-5 to keep site users from exposure to soils, including, but not limited to, fencing soils containing dioxins above human health screening levels. A vegetative cap may require maintenance on soils containing dioxins above human health screening levels in order to reduce potential exposure to dioxins in fugitive dust to site users.

Effectiveness: Excavation will remove contaminated soil from the surface and shallow subsurface in areas that will be utilized by recreational users, reducing the threat of accidental ingestion and/or dermal contact to current and future Site users. The LUC will require enforcement and maintenance to reduce the threat of accidental ingestion and/or dermal contact to future Site users. This alternative is unlikely to significantly reduce potential impacts to groundwater.

Implementability: Implementing this alternative does not require special equipment, material, or labor. The Site is not in challenging terrain or an especially remote location. The proposed remedial method has been accepted by regulators as a valid type of remedial method at other similar sites. The Site is currently vacant. Access to streets and freeways would be largely unaffected, with minimal disruption to the local residents. For the above reasons, this alternative is considered moderately easy to implement.

Cost: A rough order-of-magnitude estimate of costs for the additional characterization, excavation, and disposal alternative is \$250,000. The costs also include preparation of work plans and completion reports, an allowance for agency oversight costs (price to be requested during project implementation), and an allowance for permits.

In the event that City of Mt. Shasta chooses to remediate a smaller portion of the site for reuse, labeled Redevelopment Area 1 in the Geocon 2014 ABCA report, which only encompasses the PCP remediation area for Alternative 2, the estimated cost is \$193,500 (Geocon, 2014). Approximately 300 square feet would be excavated from the PCP remediation area. Approximately 11 bank cubic yards of PCP impacted soil would be excavated and disposed of off-site.

Alternative 3 – Soil Excavation to 1-ft bgs of soils containing TPH, PCP, and dioxins above human health screening levels, Disposal, Replacement with an aggregate base

The soil excavation, confirmation sampling, and off-site disposal as a non-hazardous waste alternative would remove soils along a pathway to a maximum depth of 1 foot bgs from the Site that exceeded the human health TPH screening levels, human health PCP screening levels and/or human health dioxins screening levels (Figure 6). As the remaining soils exceeding human health screening levels will be left in place, additional site characterization will not be conducted to determine the vertical extent of contamination. Additional site characterization onsite as well as leading offsite is required to determine the lateral extent of dioxin contamination and that characterization is estimated as requiring one characterization sample every 50 feet in the estimated excavation areas as part of this cost estimate. An estimated 137,320 square feet of soil will be removed to a depth of 1 foot bgs at the Site. Approximately 300 square feet would be excavated from the PCP remediation area and 137,000 square feet would be excavated from the dioxin remediation area. The TPH remediation area, which is contained within the dioxin remediation area as shown in Figure 6, encompasses 3,800 square feet. The existing trees and

stumps will need to be removed to excavate impacted soil at the Site. Based on the detected concentrations of TPH, PCP, and dioxins, approximately 5,086 bank cubic yards (measurement or calculation of soil or rock in its natural state), or 7,629 tons, of excavated soil is anticipated to require disposal as a non-hazardous waste. Approximately 11 bank cubic yards of PCP impacted soil and, 4,934 bank cubic yards of dioxin impacted soils, and 141 bank cubic yards of TPH and dioxin impacted soil would be excavated and disposed of off-site.

The excavated soil would be stockpiled on-site, pending laboratory analysis for waste characterization (23 waste characterization samples assumed). The TBA sample results indicate that the soil would be a non-hazardous waste. The excavated soil would be transported off-site for disposal at an appropriately licensed treatment/disposal facility. After placing a geotextile barrier that would act as a marker that delineates the contact with contaminated material on the excavation bottom, the excavation would be backfilled and compacted with aggregate base.

A LUC would be put in place for the remaining open space with soils exceeding human health screening levels. The LUC would specify that below-grade development cannot occur in contaminated soils left in place, unless additional remedial measures are taken. This may prevent building structures such as office or commercial buildings in this area, although other uses such as a parking lot or open space may be allowed. ICs would be required within the dioxin, PCP, and TPH remediation areas to manage soils containing contaminants above the human health screening levels that are left at depths greater than 1-ft bgs by restricting access to the soils and requiring a soil management plan in the event construction occurs at depths below 1-ft bgs. The ICs will also require that aggregate base used to cap the contamination is maintained.

Effectiveness: Excavation will remove contaminated soil from the surface and shallow subsurface areas in areas that will be utilized by recreational users, reducing the threat of accidental ingestion and/or dermal contact to current and Site users. The LUC will require enforcement to reduce the threat of accidental ingestion and/or dermal contact to future Site users. This alternative is unlikely to provide significant protection to burrowing animals and other subsurface receptors. This alternative is unlikely to significantly reduce potential impacts to groundwater.

Implementability: This alternative includes collection of disposal profile sampling of excavated soil, off-site soil disposal, backfilling with clean soil, and the placement of aggregate base. The Site is currently vacant. Implementing this alternative does not require special equipment, material, or labor. The Site is not in challenging terrain or an especially remote location. The proposed remedial method has been accepted by regulators as a valid type of remedial method at other similar sites. Access to streets and freeways would be largely unaffected, with minimal disruption to the local residents. This alternative is moderately easy to implement.

Cost: A rough order-of-magnitude estimate of costs for the additional characterization, excavation, and disposal work is \$1,780,000. The costs also include preparation of work plans and completion reports, an allowance for agency oversight costs (price to be requested during project implementation), and an allowance for permits.

In the event that City of Mt. Shasta chooses to remediate a smaller portion of the site for reuse, labeled Redevelopment Area 1 in the Geocon 2014 ABCA report, which only encompasses the PCP remediation area and a portion of the dioxin remediation area, the estimated cost is

\$517,000 (Geocon, 2014). Approximately 300 square feet would be excavated from the PCP remediation area and 23,173 square feet would be excavated from the dioxin remediation area. TPH impacted soils are not within the footprint of Remediation Area 1. Approximately 11 bank cubic yards of PCP impacted soil and 858 bank cubic yards of dioxin impacted soils would be excavated and disposed of off-site.

Alternative 4 – Soil Excavation to 4-ft bgs of soils containing TPH, PCP, and dioxins above human health screening levels, Disposal, Clean Soil Fill Replacement

The soil excavation, confirmation sampling, and off-site disposal as a non-hazardous waste alternative would remove soils within the footprint of soils exceeding the human health screening levels to a maximum depth of 4 ft bgs from the Site that exceeded the human health TPH, PCP, and dioxin screening levels (Figure 7). If required, additional site characterization will be conducted to characterize the residual soils. Additional site characterization would likely be required to determine the lateral extent of dioxin contamination. That characterization work is estimated as requiring one characterization sample every 50 feet in the estimated excavation areas as part of this cost estimate. Based on Phase II TBA results, contamination is present at depths greater than 4 feet bgs in parts of the Site. Therefore, additional excavation may be required for site reuse or site closure requirements. At the request of the EPA, the cost estimate is provided for excavation to 4 ft bgs only. An estimated 137,300 square feet of soil will be removed to a depth of 4 ft bgs at the Site. Approximately 300 square feet would be excavated from the PCP remediation area and 137,000 square feet would be excavated from the dioxin remediation area. The TPH remediation area, which is contained within the dioxin remediation area as shown in Figure 6, encompasses 3,800 square feet. The existing trees and stumps will need to be removed to excavate impacted soil at the Site. A geotextile fabric or similar warning barrier layer would be installed on the excavation bottom. Based on the Phase II TBA sample results, approximately 20,341 bank cubic yards (measurement or calculation of soil or rock in its natural state), or 1,387 tons, of excavated soil is anticipated to require disposal as a non-hazardous waste. Approximately 44 bank cubic yards of PCP impacted soil and, 19,736 bank cubic yards of dioxin impacted soils, and 564 bank cubic yards of TPH and dioxin impacted soil would be excavated and disposed of off-site.

The excavated soil would be stockpiled on-site, pending laboratory analysis for waste characterization (84 waste characterization samples assumed). The TBA sample results suggest that the soil would be a non-hazardous waste. The excavated soil would be transported off-site for disposal at an appropriately licensed treatment/disposal facility. The excavation would be backfilled with clean soil.

A land use covenant (LUC) would be put in place for the remaining open space with soils exceeding human health screening levels at depths below 4-ft bgs. Additional LUCs may need to be put in place to prevent structures that require deep soil excavation work (e.g. underground parking structures, ponds, and buildings with basements or deep foundations) without additional considerations, which may include additional excavation work.

ICs would be required within the dioxin, PCP, and TPH remediation areas to manage soils containing contaminants above the human health screening levels that are left at depths greater than 4-ft bgs by restricting access to the soils and requiring a soil management plan in the event construction occurs at depths below 4-ft bgs. The ICs will also require that aggregate base used

to cap the contamination is maintained.

Effectiveness: Excavation will remove contaminated soil from the surface and shallow subsurface areas in areas that will be utilized by recreational and commercial users, reducing the threat of accidental ingestion and/or dermal contact to current and Site users. Implementing this alternative may allow for more complex structures, such as slab-on-grade buildings, to be constructed in this area.

Implementability: This alternative includes collection of disposal profile sampling of excavated soil, off-site soil disposal, and backfilling with clean soil. The Site is currently vacant. Implementing this alternative does not require special equipment, material, or labor. The Site is not in challenging terrain or an especially remote location. The proposed remedial method has been accepted by regulators as a valid type of remedial method at other similar sites. Access to streets and freeways would be unaffected, with minimal disruption to the local residents. This alternative is moderately easy to implement.

Cost: A rough order-of-magnitude estimate of costs for the additional characterization, excavation, and disposal alternative is \$5,985,000. The costs also include preparation of work plans and completion reports, an allowance for agency oversight costs (price to be requested during project implementation), and an allowance for permits.

In the event that City of Mt. Shasta chooses to remediate a smaller portion of the site for reuse, labeled Redevelopment Area 1 in the Geocon 2014 ABCA report, which only encompasses the PCP remediation area and a portion of the dioxin remediation area, the estimated cost is \$1,314,000 (Geocon, 2014). Approximately 300 square feet would be excavated from the PCP remediation area and 23,173 square feet would be excavated from the dioxin remediation area. TPH impacted soils are not within the footprint of Remediation Area 1. Approximately 44 bank cubic yards of PCP impacted soil and 3,432 bank cubic yards of dioxin impacted soils would be excavated and disposed of off-site.

Alternatively, a rough cost was estimated to construct an on-site repository within the dioxin remediation area shown in in Figure 7. The cost estimate for a repository is highly dependent on design decisions, such as operations and management requirements, which would be made as part of a final Record of Decision. This cost estimate assumes that it would cost approximately \$3,257,000 to excavate 20,341 bank cubic yards of soil, construct a geotextile and high-density polyethylene lined repository with a leachate collection system within the footprint of the Dioxin Remediation Area, and place soils impacted with TPH, PCP, and dioxins onto the HDPE liner. An HDPE liner would be placed over the waste and sealed to the bottom liner, and the area would be covered with approximately 2.5 feet of soil and 6-inches of soil mixed with rock, then hydroseeded. Operations and management of the repository would be required in perpetuity. LUCs would be required in perpetuity. Building of any complex structure could not occur.

Alternative 5 – Soil Excavation to 4-ft bgs of soils containing PCP above human health screening levels, consolidation onto Dioxin Remediation Area, Cap with Imported Fill Material and Rock

Under this alternative, soils impacted by PCP would be excavated to 4 feet bgs and consolidated

onto the cleared and grubbed dioxin remediation area (Figure 8). Approximately 300 square feet of PCP impacted soils (44 bank cubic yards) would be excavated and moved to the dioxin remediation area. If required, additional site characterization onsite and leading offsite is required to determine the lateral extent of dioxin contamination. A 3 foot thick layer of imported fill material would be placed on top of the consolidated soils. The top six inches of soil would be mixed with rock in order to discourage animal burrowing and reduce erosion. The capped area would be hydroseeded. The capped area would cover approximate 137,000 square feet of the dioxin remediation area, which includes the TPH remediation area (Figure 8).

Additional LUCs restricting complex structures (e.g. underground parking structures, ponds, and buildings with basements or deep foundations) would need to be maintained. ICs, including minor maintenance of the cap would need to be performed on an infrequent basis.

Effectiveness: Capping contaminated soil in place will reduce the threat of contact in areas that will be utilized by recreational and commercial users, reducing the threat of accidental ingestion and/or dermal contact to current and future Site users.

Implementability: This alternative includes excavation of soils, consolidation with the dioxin remediation area, and backfilling with clean soil. The Site is currently vacant. Implementing this alternative does not require special equipment, material, or labor. The Site is not in challenging terrain or an especially remote location. The proposed remedial method has been accepted by regulators as a valid type of remedial method at other similar sites. Access to streets and freeways would be largely unaffected, with minimal disruption to the local residents. This alternative is moderately easy to implement from a technical standpoint. However, regulatory agencies may require additional studies and/or additional monitoring (e.g. monitoring wells) prior to or as part of implementation, which may make implementation more difficult from an administrative standpoint. Based on these considerations, the overall implementability of Alternative 5 is considered moderately difficult.

Cost: A rough order-of-magnitude estimate of costs for the additional characterization, excavation, and disposal alternative is \$1,450,000. The costs also include preparation of work plans and completion reports, an allowance for agency oversight costs (price to be requested during project implementation), and an allowance for permits.

In the event that City of Mt. Shasta chooses to remediate a smaller portion of the site for reuse, labeled Redevelopment Area 1 in the Geocon 2014 ABCA report, which only encompasses the PCP remediation area and a portion of the dioxin remediation area, the estimated cost is \$556,000 (Geocon, 2014). Approximately 300 square feet of PCP impacted soils (44 bank cubic yards) would be excavated and moved to the dioxin remediation area. The capped area would cover approximate 23,173 square feet of the dioxin remediation area.

The following table identifies other cleanup alternatives that were considered for the Site that were dismissed and not analyzed as not meeting the goals of the project.

Table 3-1: Alternatives That Were Considered and Dismissed

Alternative	Actions	Considerations
On-site Repository for Alternative 2	Construct an onsite, below-ground repository for soils with TPH and PCP concentrations above human health screening levels to a depth of 1 ft. bgs.	Due the difficulty level of excavation and disposal costs for Alternative 2 as well as unknown O&M costs for an onsite repository, this Alternative is not considered effective in comparison to Alternative 2.
On-site Repository for Alternative 3	Construct an onsite, below-ground repository for soils with TPH, PCP, and dioxins concentrations above human health screening levels to a depth of 1-ft. bgs.	Due the difficulty level of excavation and disposal costs for Alternative 3, in comparison to the effort required to construct an onsite repository, as well as unknown O&M costs for an onsite repository, this Alternative is not considered effective in comparison to Alternative 3.

3.3 COMPARISON OF ALTERNATIVES

Alternative 1: *No Action* does not meet the project goal and is therefore dismissed without additional evaluation.

Alternative 2: *Soil Excavation to 1-ft bgs of soils containing TPH and PCP above human health screening levels, Disposal, Replacement with an aggregate base* is only partially protective in the short-and long-term for the planned reuse as recreational/commercial because contaminated soil is not fully removed from the Site. This alternative proposes conventional sampling and excavation methods. Similar actions are routinely performed to remediate these types of contaminants in California, and thus it is considered moderately easy to implement both technically and administratively. It is more expensive to implement than Alternative 1, but is considered the most effective and easiest to implement option if restricted use of the property is desirable and/or required. A soil management plan, possibly to include additional excavation and disposal work, would be required to determine what specific recreational uses are acceptable, as well as in the event that commercial construction is conducted to depths below 1 ft bgs in remediated areas, and to any depth in non-remediated areas. Except for Alternative 1, this alternative is the most restrictive in terms of potential reuse of the property.

Alternative 3: *Soil Excavation to 1-ft bgs of soils containing TPH, PCP, and Dioxins/Furans above human health screening levels, Disposal, Replacement with an aggregate base* is only partially protective in the short-and long-term for the planned reuse as recreational/commercial because contaminated soil is not fully removed from the Site. This alternative proposes conventional sampling and excavation methods. Similar actions are routinely performed to remediate these types of contaminants in California, and thus it is considered moderately easy to implement both technically and administratively. It is more expensive to implement than Alternatives 1 and 2, but is considered adequate if restricted use of the property is desirable and/or required. As dioxins will be removed from surface soils, it is expected that additional site uses, such as recreational open space or for a paved parking area, would be acceptable. A soil management plan, possibly to include additional excavation and disposal work, would be required in the event that commercial construction is conducted at depths greater than 1 ft bgs.

Alternative 4: *Soil Excavation to 4-ft bgs of soils containing TPH, PCP, and Dioxins/Furans above human health screening levels, Disposal, Replacement with clean soil fill* is only partially protective in the short-and long-term for the planned reuse as recreational/commercial because contaminated soil is not fully removed from the Site. This alternative proposes conventional sampling and excavation methods. Similar actions are routinely performed to remediate these types of contaminants in California, but the volume of soil to be disposed of and replaced is relatively large, and thus this alternative has the highest cost to implement of any of the proposed options.. Although it is more expensive to implement than Alternatives 1 and 2, 3, and 5 it is considered the most protective and may allow the greatest reuse of the site. However, LUCs would still need to be implemented and maintained. A soil management plan, possibly to include additional excavation and disposal work, would be required in the event that commercial construction is conducted to depths below 4 ft bgs.

The relative cost of Alternatives 3 and 4, as well as the required amount of soil excavation and disposal, may mean that these Alternatives are not feasible.

Alternative 5. Capping Soils Containing TPH, PCP, and dioxins above human health screening levels in place is protective in the short-term for the planned reuse as recreations/commercial because a barrier is placed between contaminated soil and commercial receptors. The Alternative requires long-term O&M activities that have unknown but probably minor future maintenance costs. This alternative proposes conventional sampling and remediation methods. Similar actions are routinely performed to remediate these types of contaminants in California, and thus it is considered moderately easy to implement technically. However, it is likely to be the most administratively complex of any of the Alternatives since it involves constructing an on-site repository. It is more expensive to implement than Alternatives 1 and 2, but is cost effective in comparison with Alternatives 3 and 4, which allow for similar restricted reuse of the property. A soil management plan, possibly to include additional excavation and disposal work, would be required in the event that commercial construction is conducted at any depth below ground surface.

3.4 REMEDIATION TECHNOLOGIES

EPA provides guidance for specific technologies which may be used for the remediation of hazardous wastes and other contaminants. Detailed links for EPA's remediation technology guidance, as well as case studies and demonstrations, can be found online at <http://www2.epa.gov/remedytech> (EPA, 2015a).

3.5 CONSIDERATION OF CLIMATE CHANGE IMPACTS

Scientific evidence demonstrates that the climate is changing at an increasingly rapid rate, outside the range to which society has adapted in the past. These changes can pose significant challenges to EPA's ability to fulfill its mission. EPA must adapt to climate change if it is to continue fulfilling its statutory, regulatory, and programmatic requirements. EPA is therefore anticipating and planning for future climate changes to ensure it continues to fulfill its mission of protecting human health and the environment even as the climate changes.

In February 2013, EPA released its draft Climate Change Adaptation Plan to the public for review and comment. The plan relies on peer-reviewed scientific information and expert judgment to identify vulnerabilities to EPA's mission and goals from climate change. The Region 9 Plan identifies vulnerabilities in Region 9, including lack of rainfall and the prospect of future droughts, reduction in groundwater supply, sea level rise, projected temperature increase and its impact on urban areas, wildfire prevalence, agricultural and ocean productivity, and habitat loss and ecosystem shift. Priority is being placed on mainstreaming climate adaptation within EPA and encouraging adaptation planning across the entire federal government.

The Site is located at an elevation of approximately 3,500 feet above mean sea level and is not vulnerable to sea-level rise. An increase in the intensity and frequency of rainfall would increase the likelihood of nearby rivers flooding. Alternatives 2, 3, or 4, which include offsite disposal, would be advantageous cleanup alternatives in accordance with the goals of the EPA's Climate Change Adaptation Plan. However, because of the reduce use of fossil fuel created by avoiding off-site long-haul disposal of soil, Alternative 5 is likely to produce far less greenhouse gas emissions in comparison to Alternatives 3 and 4.

3.6 GREEN AND SUSTAINABLE REMEDIATION GUIDANCE

When implemented effectively, green and sustainable remediation practices enhance the environmental benefits offered by federal cleanup and redevelopment programs such as the EPA Brownfields Program. The principles governing green and sustainable remediation for EPA cleanup programs have been outlined in greater detail in EPA's *Principles for Greener Cleanups* (EPA, 2009), but generally seek to “optimize environmental performance and implement protective cleanups that are *greener* by increasing our understanding of the environmental footprint and, when appropriate, taking steps to minimize that footprint.”

The following benefits can be reached through preferential use of green remediation approaches:

- Waste production and use of materials can be minimized
- Impacts to water quality and water resources can be avoided
- Air emissions and greenhouse gas production can be reduced
- Natural resources and energy can be conserved

3.6.1 Administrative Suggestions

Emphasis should be placed on selecting contractors, including laboratories, which follow green remediation best management practices. Use of contractors that place priority on clean fuel and emission technologies should be encouraged. Redevelopment plans and future use of the Site should guide the type of sampling and remediation, ensuring efficient and sustainable methods. Additionally, renewable energy production facilities should be encouraged as future development possibilities. Reporting efforts, both draft and final documents, should be submitted in digital format, rather than as hard copies. Outreach to local communities should optimize the use of electronic and centralized communication.

3.6.2 Operations Suggestions

The following suggestions should be considered to help achieve green and sustainable remediation at the Site:

- Whenever possible, non-renewable energy consumption should be minimized through energy efficient equipment, use of renewable energy supply, and renewable energy generation systems on-site.
- Sustainable practices, such as utilizing existing structures, native vegetation, and natural attributes on-site, should be encouraged.
- Environmentally preferable products, such as those outlined in EPA's Sustainable Marketplace: Greener Products and Services website (EPA, 2015b), (<http://www2.epa.gov/greenerproducts>), should be utilized where feasible, including environmentally friendly electronics, recycled products, and energy-efficient lighting.

- Mobilization during field efforts should use fuel-efficient and/or alternative fuel vehicles when feasible, encourage carpooling, and should avoid environmentally sensitive areas when placing operations centers and command posts.
- Waste should be minimized through conservation efforts, recycling, and reuse of items. The following procedures can be followed to minimize waste:
 - Field contamination screening should use non-invasive technologies where feasible.
 - Quantity of field samples should be minimized, and mobile laboratories should be prioritized when appropriate.
 - Drilling and excavation activities should incorporate clean fuel and emissions controls, including idle reduction devices, use of ultra-low sulfur diesel and/or fuel-grade biodiesel, advanced emission controls, EPA- or California Air Resources Board-verified emission control technology, and the performance of routine engine maintenance.
 - Demolition should be minimized; instead, value should be placed on utilizing existing structures. Efficiency during transport and disposal operations should be maximized, and practices such as back-loading should be used whenever possible.

3.6.3 Bioremediation Considerations

Bioremediation potential of the Site should be examined and considered as a viable cleanup alternative. Bioremediation is a natural process which relies on bacteria, fungi, and plants to degrade, break down, transform, or essentially remove contaminants from soil and water. Bioremediation options potentially provide a low cost, non-intrusive, natural method of addressing soil contamination at a site. More information about bioremediation alternatives can be found at <http://www2.epa.gov/remedytech> (EPA, 2015a).

While bioremediation is often an effective and relatively inexpensive method for addressing total petroleum hydrocarbon contamination, it was not evaluated as an alternative for this site, as TPH impacted soils are also within the dioxin impacted soils footprint. In-situ and ex-situ bioremediation technologies for PCP and dioxins/furans have been evaluated as case studies. Based on the volume of TPH, PCP, and dioxin/furans impacted soils at the Site, it is unlikely that bioremediation would meet cleanup goals in a reasonable timeframe.

4. LIMITATIONS AND ADDITIONAL ASSESSMENT NEEDS

The Phase I/II TBA provided a valuable characterization of current and historical conditions of the subject property, including a summary of historical site use, previous investigations and regulatory involvement, site reconnaissance and photo documentation, and an evaluation of hazardous wastes.

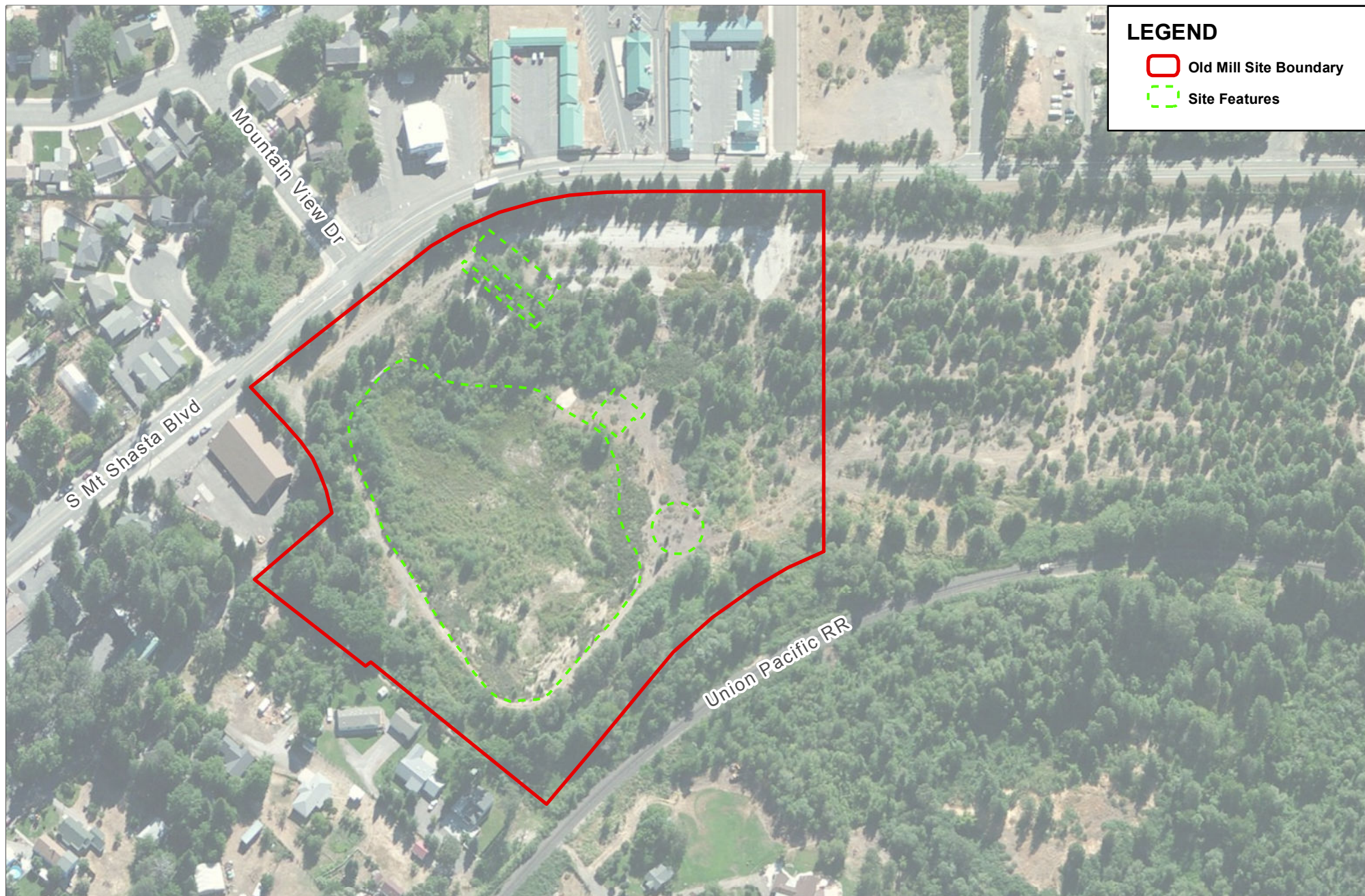
The extent of the dioxin contamination was not fully defined during Phase II activities; however, the data obtained were used to estimate the costs for Cleanup Alternatives 2, 3, 4, and 5. Dioxin contamination was assumed to be present within the areas where samples have been collected. Verification samples for the lateral extent of excavation boundaries were estimated to be collected every 50 feet along sidewalls of excavations. Therefore, the assumptions provide a possible underestimation of the amount of soil that would require excavation and disposal.

The location of the former dip tank, which contains PCP contaminated soils, was estimated from the 2014 Phase II report conducted by Geocon. The PCP remediation boundaries were estimated using information from the 2014 Phase II conducted by Geocon. Several PCP sample GPS locations provided in the 2014 Phase II report did not match figures provided in the report. The figures provided in the 2014 Phase II report and 2014 ABCA report were used to determine PCP remediation boundaries. The Phase II report noted that the locations of the former dip tank, former boiler room, and former refuse burner are approximate. Weston was able to verify the locations of the former boiler room and former refuse burner. One historical soil sample containing TPH-d above human health screening levels within the former log pond was not included within the remediation areas discussed in Alternatives 2, 3, 4, and 5, as the surrounding soils samples did not contain TPH above human health screening levels. This soil is expected to be classified as non-hazardous waste based on historical sample results and Phase II sample results. Verification samples should be collected to determine the appropriate off-site disposal option. The Phase I/II TBA and this associated ABCA can provide mitigation guidance but are not to be used as full characterization or risk assessment reports. The information presented therein represents only the Site-specific, recognized environmental conditions and opinions of the environmental professional.

5. REFERENCES

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FIGURES



LEGEND

-  Old Mill Site Boundary
-  Site Features

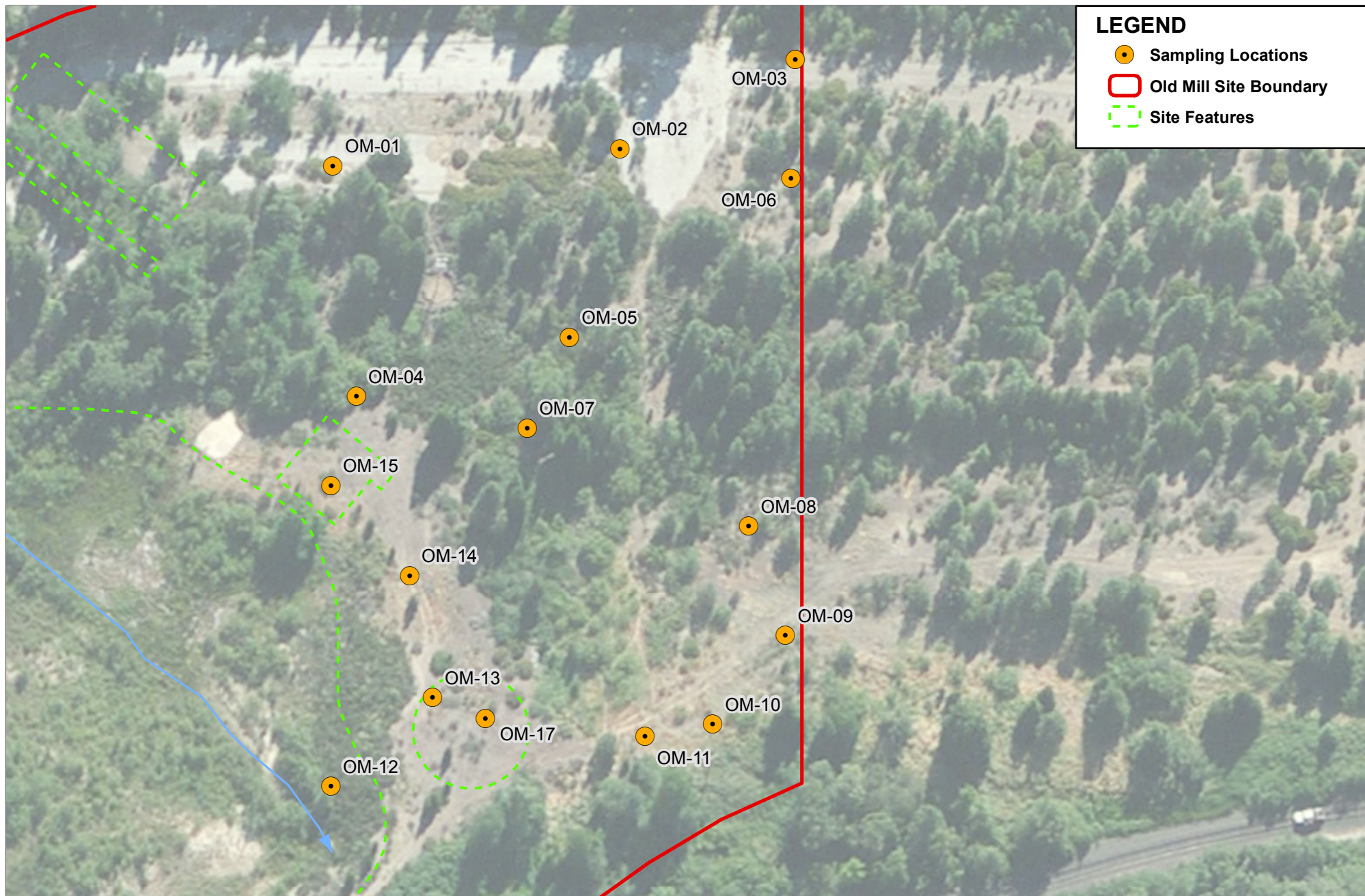


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FIGURE 1
Site Summary Map
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment



0 Feet 100

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FIGURE 2
Sampling Locations
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment

FIGURE 3
TPH Soil Sampling
Exceedances

Mt. Shasta Old Mill Site
Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment

LEGEND

- Old Mill Site Boundary
- Site Features
- 2016 TBA Sampling Locations with TPH Commercial ESL Exceedances**
 - TPH-d Exceedances at 0-2 ft bgs
 - No Exceedances
- Historical Samples with TPH Commercial ESL Exceedances**
 - TPH-d / TPH-mo Exceedances at 0-1 ft bgs
 - TPH-d / TPH-mo Exceedances at 1-2 ft bgs
 - TPH-d / TPH-mo Exceedances at 4-5 ft bgs
 - No Exceedances

Notes:
All result units are in mg/kg.
TPH-d Screening Level = 230 mg/kg.
TPH-mo Screening Level = 5,100 mg/kg
TPH results in **red** exceed the screening level.
Abbreviations:
bgs = below ground surface
ESL = Environmental Screening Level
ft = foot
TBA = Targeted Brownfields Assessment
TPH-d = total petroleum hydrocarbons as diesel
TPH-mo = total petroleum hydrocarbons as motor oil

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0 Scale in Feet 200

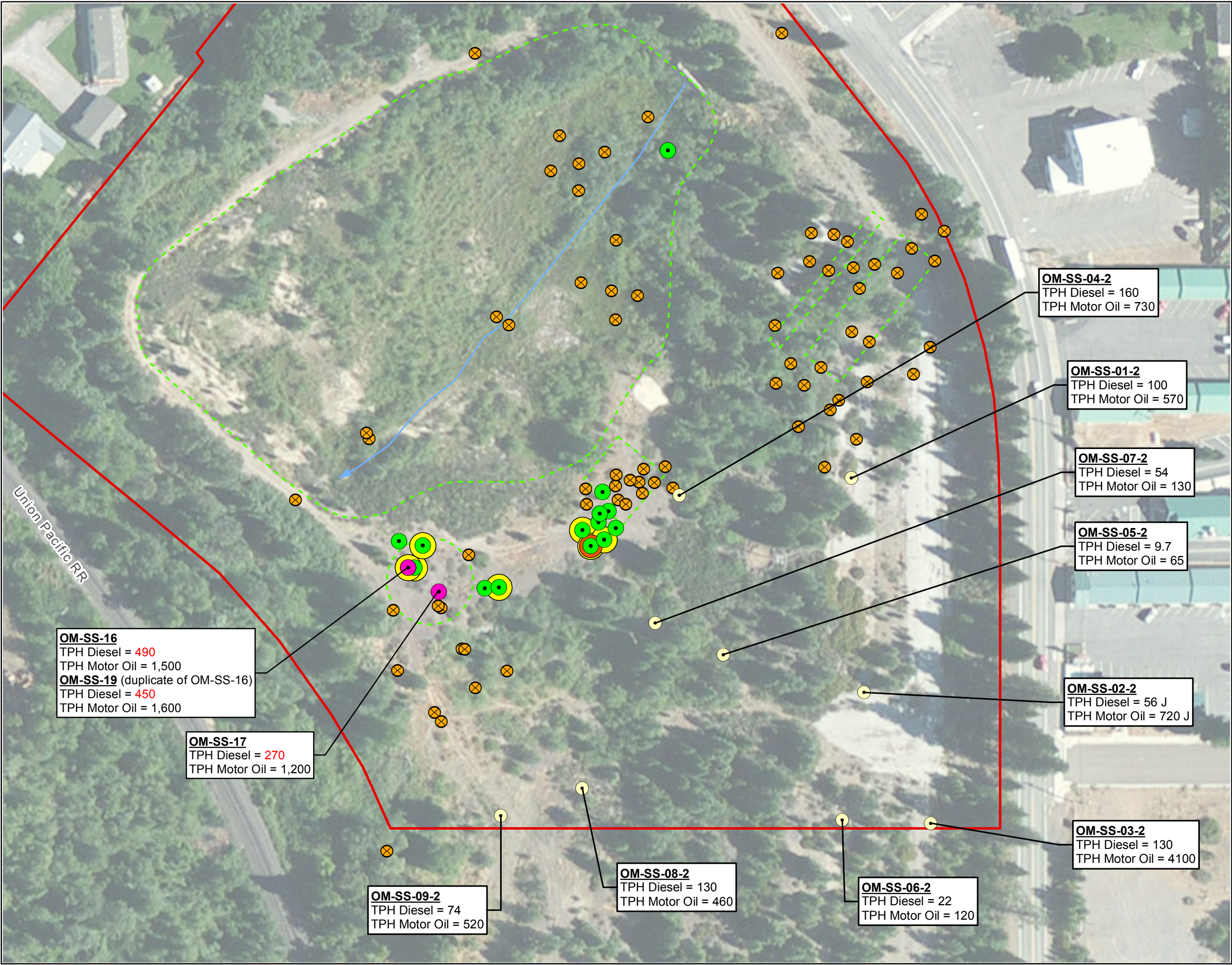




FIGURE 4
Dioxins/Furans Soil
Sampling Exceedances
Mt. Shasta Old Mill Site
Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment




LEGEND

-  Old Mill Site Boundary
 Site Features

2016 TBA Sampling Locations with Total Dioxin TEQ Commercial ESL Exceedances

-  Exceedances at 4 to 5 ft bgs
 Exceedances at 0 to 2 ft bgs

Historical Samples with Total Dioxin TEQ Exceedances

-  Exceedances at 1 ft bgs
 Exceedances at 2 ft bgs
 Exceedances at 5 ft bgs

Notes:
All result units are in mg/kg.
Total Dioxin Screening Level = 4.9 E-06 mg/kg.
Dioxin results in **red** exceed the screening level.

Abbreviations:
bgs = below ground surface
ESL = Environmental Screening Level
ft = foot
TBA = Targeted Brownfields Assessment
TEQ = Toxic Equivalents

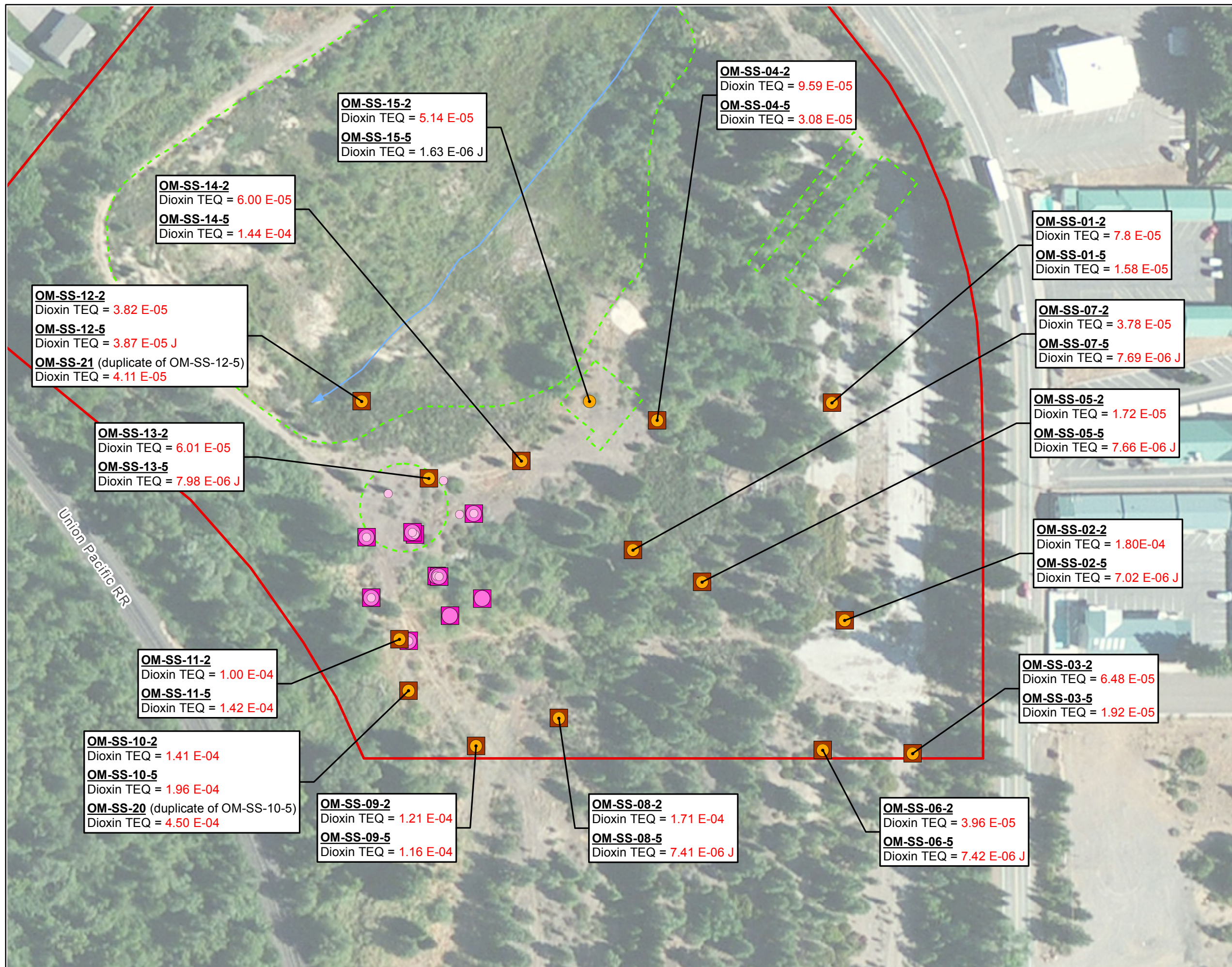
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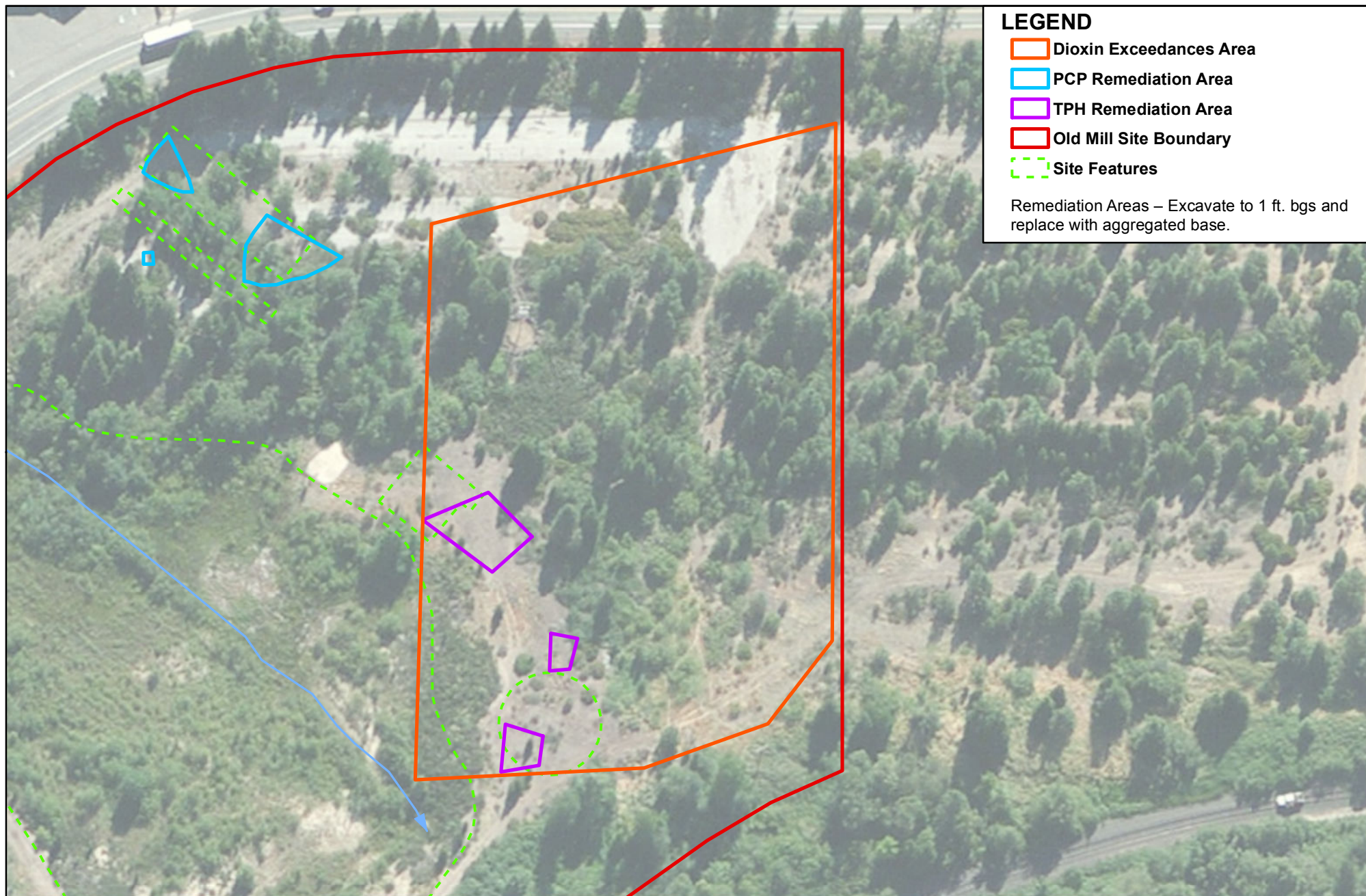


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0  200
Scale in Feet





LEGEND

- Dioxin Exceedances Area
- PCP Remediation Area
- TPH Remediation Area
- Old Mill Site Boundary
- Site Features

Remediation Areas – Excavate to 1 ft. bgs and replace with aggregated base.



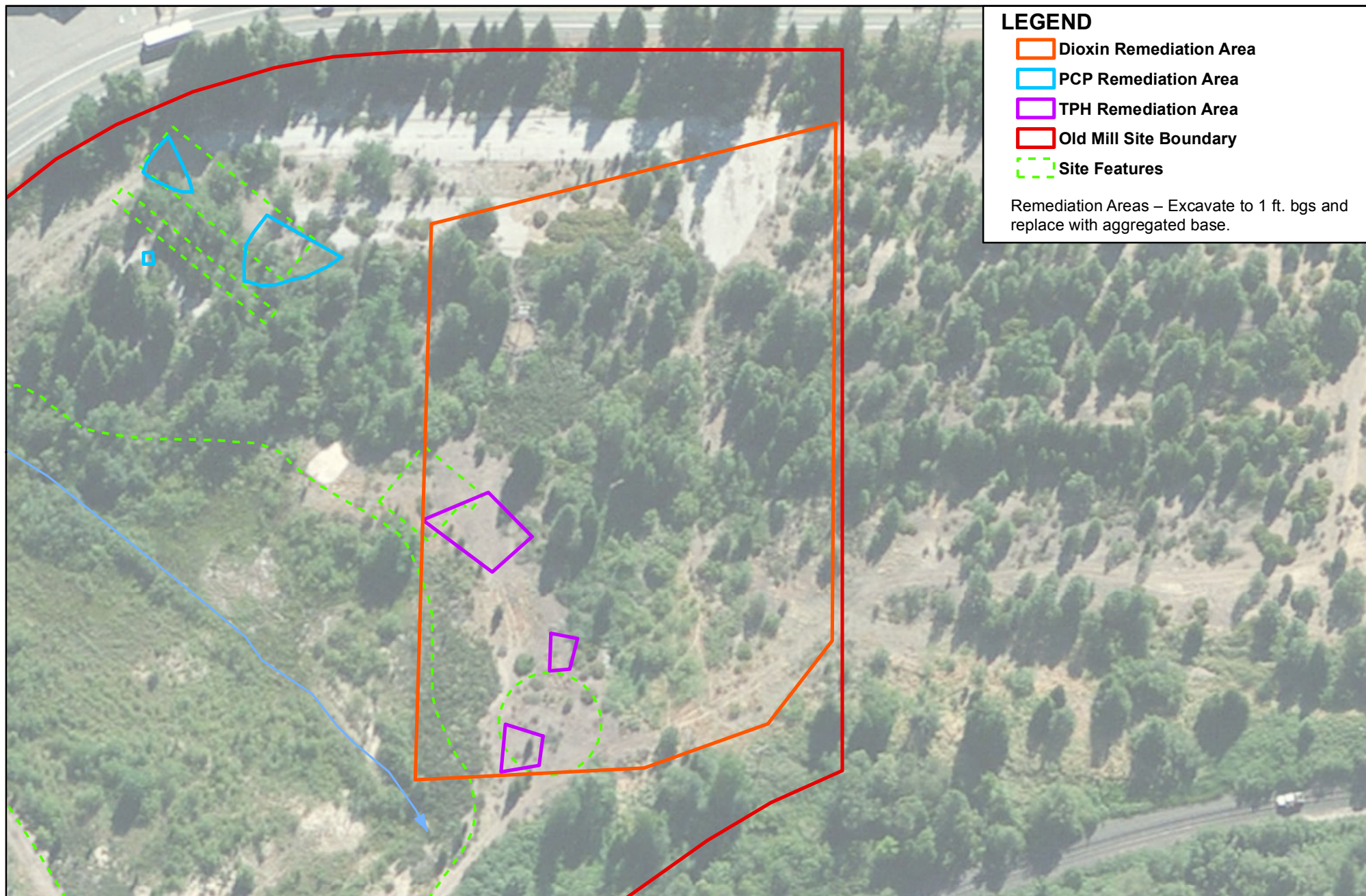
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FIGURE 5
Alternative 2
Mt. Shasta Old Mill Site
Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment

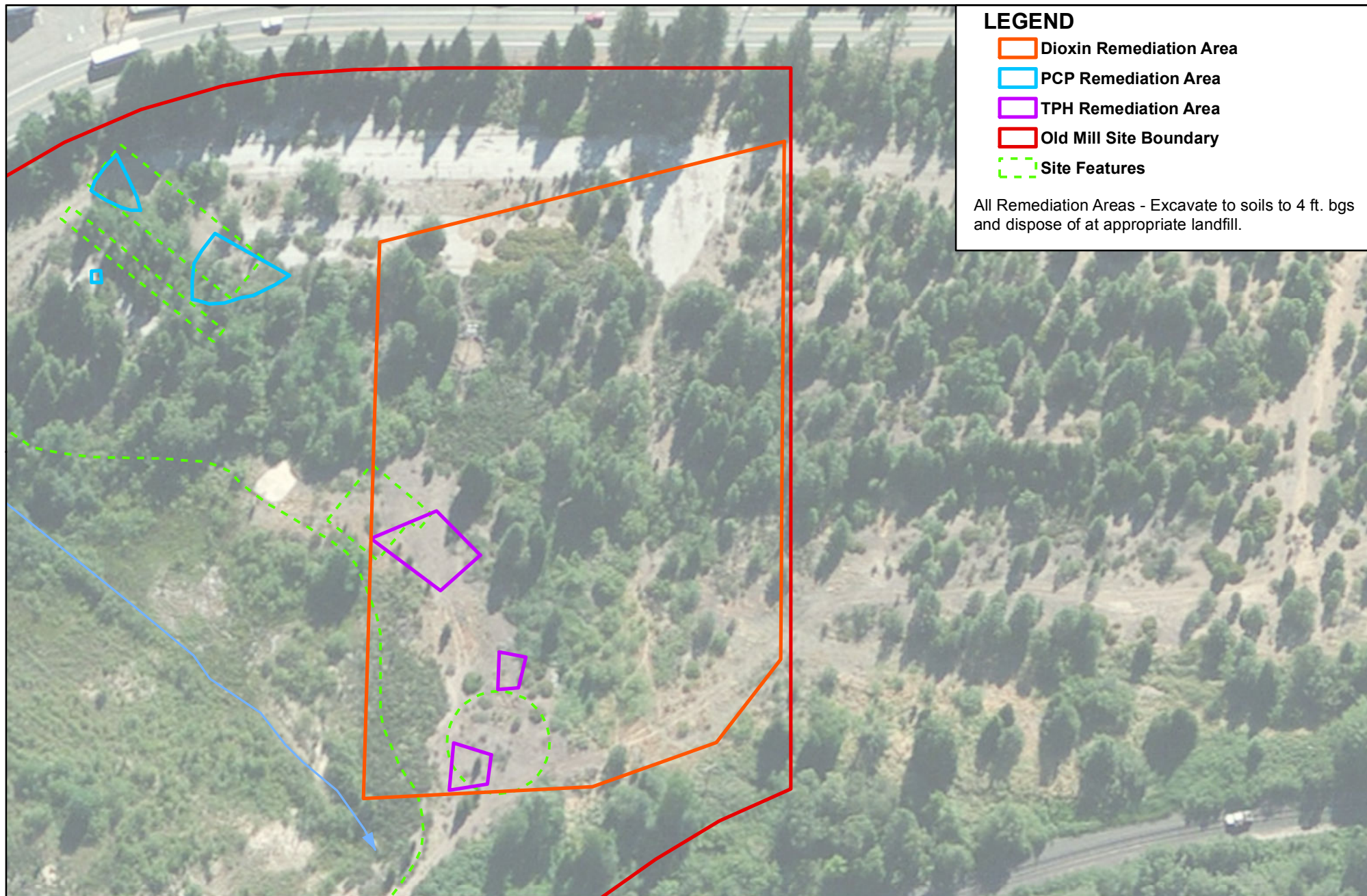


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FIGURE 6
Alternative 3
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
 Targeted Brownfields Assessment



LEGEND

- Dioxin Remediation Area
- PCP Remediation Area
- TPH Remediation Area
- Old Mill Site Boundary
- Site Features

All Remediation Areas - Excavate to soils to 4 ft. bgs and dispose of at appropriate landfill.

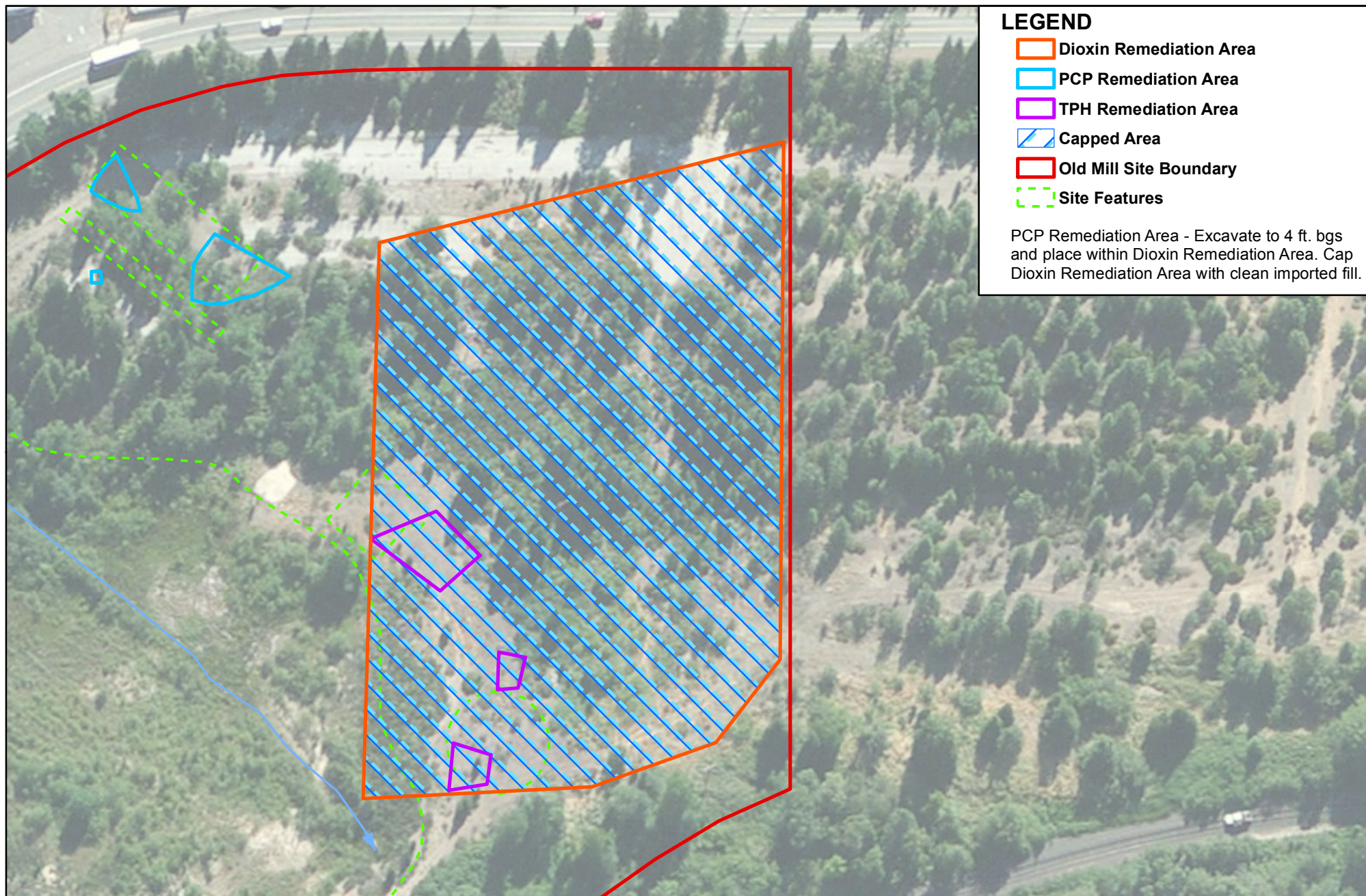


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FIGURE 7
Alternative 4
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment



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FIGURE 8
Alternative 5
 Mt. Shasta Old Mill Site
 Mt. Shasta, Siskiyou County, California
Targeted Brownfields Assessment

APPENDIX A
SUMMARY OF TOTAL PETROLEUM HYDROCARBONS AND
DIOXINS/FURANS ANALYTICAL DATA – SHALLOW AND
SUBSURFACE SOIL

Summary of TPH-diesel and TPH-motor oil, Dioxins/Furans - Soil
Mount Shasta Old Mill
Mt. Shasta City, Siskiyou County, California

Sample ID		OM-SS-01-2	OM-SS-01-5	OM-SS-02-2	OM-SS-02-5	OM-SS-03-2	OM-SS-03-5	OM-SS-04-2	OM-SS-04-5	OM-SS-05-2	OM-SS-05-5	OM-SS-06-2	OM-SS-06-5	OM-SS-07-2	OM-SS-07-5	OM-SS-08-2	OM-SS-08-5	OM-SS-09-2	OM-SS-09-5
Sampling Depth (bgs)		0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet
Sample Description		New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location
Sample Date		6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/201	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016
Analyte	RWQCB ESL(mg/kg)	TPH-diesel and TPH-motor oil (mg/kg)																	
TPH-diesel	230	100	Not analyzed	56 J	Not analyzed	130	Not analyzed	160	Not analyzed	9.7	Not analyzed	22	Not analyzed	54	Not analyzed	130	Not analyzed	74	Not analyzed
TPH-motor oil	5100	570	Not analyzed	720 J	Not analyzed	4100	Not analyzed	730	Not analyzed	65	Not analyzed	120	Not analyzed	130	Not analyzed	460	Not analyzed	520	Not analyzed
Analyte	RWQCB ESL and EPA RSL (mg/kg)	Dioxins/Furans (mg/kg)																	
Dioxin TEQ	4.9E-06	<u>7.8&E-05</u>	<u>1.58E-05</u>	<u>1.80E-04</u>	<u>7.02E-06 J</u>	<u>6.48E-05</u>	<u>1.92E-05</u>	<u>9.59E-05</u>	<u>3.08E-05</u>	<u>1.72E-05</u>	<u>7.66E-06 J</u>	<u>3.96E-05</u>	<u>7.42E-06 J</u>	<u>3.78E-05</u>	<u>7.69E-06 J</u>	<u>1.71E-04</u>	<u>7.41E-06 J</u>	<u>1.21E-04</u>	<u>1.16E-04</u>

Notes:
TPH = Total petroleum hydrocarbons (THP-Diesel and THP-Motor oil by EPA 8015C with silica gel cleanup EPA 3630C)
Dioxins/Furans tested by EPA Method 8290A
TEQ = Toxic Equivalent
ESL = environmental screening level
RSL = Regional Screening Level for Residential Soils
Bold, underlined and highlighted= Analytical result exceeds screening levels
J = The reported result for this analyte should be considered an estimated value.
mg/kg = milligrams per kilograms
ND - Not detected above the method detection limit.
RWQCB = Regional Water Quality Control Board
—— = not available

Summary of TPH-diesel and TPH-motor oil, Dioxins/Furans - Soil
Mount Shasta Old Mill
Mt. Shasta City, Siskiyou County, California

Sample ID		OM-SS-10-2	OM-SS-10-5	OM-SS-11-2	OM-SS-11-5	OM-SS-12-2	OM-SS-12-5	OM-SS-13-2	OM-SS-13-5	OM-SS-14-2	OM-SS-14-5	OM-SS-15-2	OM-SS-15-5	OM-SS-16	OM-SS-17	OM-SS-18	OM-SS-19	OM-SS-20	OM-SS-21
Sampling Depth (bgs)		0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	4 - 5 feet	0 - 2 feet	0 - 2 feet	0 - 2 feet	0 - 2 feet	4 - 5 feet	4 - 5 feet
Sample Description		New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	New Sample Location	Historical Sampling Location	Historical Sampling Location	Duplicate of OM-SS-02-2	Duplicate of OM-SS-16	Duplicate of OM-SS-10-5	Duplicate of OM-SS-12-2
Sample Date		6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016	6/16/2016
Analyte	RWQCB ESL(mg/kg)	TPH-diesel and TPH-motor oil (mg/kg)																	
TPH-diesel	230	Not collected	Not analyzed	Not collected	Not analyzed	Not collected	Not analyzed	Not collected	Not analyzed	Not collected	Not analyzed	Not collected	Not analyzed	<u>490</u>	<u>270</u>	100 J	<u>450</u>	Not collected	Not collected
TPH-motor oil	5100	Not collected	Not analyzed	Not collected	Not analyzed	Not collected	Not analyzed	Not collected	Not analyzed	Not collected	Not analyzed	Not collected	Not analyzed	1500	1200	1300 J	1600	Not collected	Not collected
Analyte	RWQCB ESL and EPA RSL (mg/kg)	Dioxins/Furans (mg/kg)																	
Dioxin TEQ	4.9E-06	<u>1.41E-04</u>	<u>1.96E-04</u>	<u>1.00E-04</u>	<u>1.42E-04</u>	<u>3.82E-05</u>	<u>3.87E-05 J</u>	<u>6.01E-05</u>	<u>7.98E-06 J</u>	<u>6.00E-05</u>	<u>1.44E-04</u>	<u>5.14E-05</u>	1.63E-06 J	Not collected	Not collected	Not collected	Not collected	<u>4.50E-04</u>	<u>4.11E-05</u>

Notes:
TPH = Total petroleum hydrocarbons (THP-Diesel and THP-Motor oil)
Dioxins/Furans tested by EPA Method 8290A
TEQ = Toxic Equivalent
ESL = environmental screening level
RSL = Regional Screening Level for Residential Soils
Bold, underlined and highlighted= Analytical result exceeds screener
J = The reported result for this analyte should be considered an estimate
mg/kg = milligrams per kilograms
ND = Not detected above the method detection limit.
RWQCB = Regional Water Quality Control Board
— = not available

APPENDIX B
PHASE II LABORATORY REPORTS AND DATA VALIDATION
REPORTS

**MT. SHASTA OLD MILL
MT. SHASTA, SISKIYOU COUNTY, CALIFORNIA
DATA VALIDATION REPORT**

Date: October 12, 2016

Laboratory: TestAmerica Laboratories, Inc., West Sacramento, CA

Laboratory Job Number: 320-19659-1

Data Validation Performed By: Mindy Song, CSS-Dynamac

Weston Work Order #: 20074.063.515.1007.01

This data validation report has been prepared by CSS-Dynamac. This report documents the data validation for 21 soil and 1 water samples collected for the Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Total Petroleum Hydrocarbons (TPH) as Diesel and Motor Oil by SW-846 Method 8015B
- Dioxins and Furans by SW-846 Method 8290A

A level II data package was requested from TestAmerica Laboratories, Inc. The data validation was conducted in general accordance with the EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated August 2014 and "Contract Laboratory Program National Functional Guidelines for Chlorinated Dibenzo-p-Dioxins and Chlorinated Dibenzofurans Data Review" dated August 2011. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

TPH BY SW-846 METHOD 8015B

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
OM-SS-01-2	320-19659-1	Soil	6/16/16	6/30/16	7/6/16
OM-SS-02-2	320-19659-3	Soil	6/16/16	6/24/16	6/29/16
OM-SS-18	320-19659-5	Soil	6/16/16	6/24/16	6/29/16
OM-SS-06-2	320-19659-6	Soil	6/16/16	6/30/16	7/7/16
OM-SS-03-2	320-19659-8	Soil	6/16/16	6/24/16	6/29/16
OM-SS-05-2	320-19659-10	Soil	6/16/16	6/24/16	6/29/16
OM-SS-07-2	320-19659-12	Soil	6/16/16	6/24/16	6/29/16
OM-SS-04-2	320-19659-14	Soil	6/16/16	6/24/16	7/1/16
OM-SS-16	320-19659-22	Soil	6/16/16	6/30/16	7/7/16
OM-SS-19	320-19659-23	Soil	6/16/16	6/24/16	7/1/16
OM-SS-17	320-19659-24	Soil	6/16/16	6/24/16	6/29/16
OM-SS-09-2	320-19659-30	Soil	6/16/16	6/24/16	6/29/16
OM-SS-08-2	320-19659-32	Soil	6/16/16	6/24/16	7/1/16
OM-W	320-19659-37	Water	6/16/16	7/5/16	7/7/16

1. Data Verification Check

A data verification and completeness check was performed in accordance with the Stage 1 and 2A verification checks outlined in the EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. For the TPH analyses, all analytical data package items were received from the laboratory and the analyses requested were performed.

2. Holding Times

The samples were received, extracted, and analyzed within the required holding time requirements except following: Water sample OM-W was re-extracted outside of holding time because the initial sample result indicated the carryover from prior extraction. Re-analysis was used and the non-detected results were qualified as estimated (UJ).

3. Blanks

Method blanks and the equipment blank were analyzed with the TPH analyses and were free of target compounds above the reporting limits.

4. **Surrogate Results**

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. **Laboratory Control Sample (LCS) Results**

The LCS recoveries were within laboratory QC limits.

6. **Laboratory Duplicate Results/Field Duplicate Results**

Laboratory duplicate was not analyzed but LCS Duplicate (LCSD) was analyzed. All relative percent differences (RPDs) were within the control limits.

Sample OM-SS-18 was a field duplicate of sample OM-SS-02-2. The RPDs of diesel range organics (DRO) and motor oil range organics (MORO) were outside the control limits. The detected results of DRO and MORO in sample OM-SS-02-2 and OM-SS-18 were qualified as estimated (J).

Sample OM-SS-19 was a field duplicate of sample OM-SS-16 and all RPDs were within the control limits.

7. **Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results**

Sample OM-SS-01-2 was used for MS and MSD analysis and the recoveries were outside of the laboratory-established quality control limits (QC) limits. Qualification was not required because the concentration of DRO in the parent sample was greater than 4X the spiked concentration.

8. **Overall Assessment**

TestAmerica flagged sample results with the following laboratory qualifier:

B- Indicates the associated compound was found in the blank and sample. These qualifiers were removed by the data validator.

H-Indicates sample was prepared or analyzed beyond the specified holding time. The data validator removed these qualifiers and added "J" or "UJ".

The TPH data are acceptable for use as qualified based on the information received.

DIOXINS AND FURANS BY SW-846 METHOD 8290A

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
OM-SS-01-2	320-19659-1	Soil	6/16/16	7/12/16	7/17/16
OM-SS-02-2	320-19659-3	Soil	6/16/16	7/12/16	7/17/16
OM-SS-06-2	320-19659-6	Soil	6/16/16	7/12/16	7/17/16
OM-SS-03-2	320-19659-8	Soil	6/16/16	7/12/16	7/20/16
OM-SS-05-2	320-19659-10	Soil	6/16/16	7/12/16	7/18/16
OM-SS-07-2	320-19659-12	Soil	6/16/16	7/12/16	7/18/16
OM-SS-04-2	320-19659-14	Soil	6/16/16	7/12/16	7/18/16
OM-SS-15-2	320-19659-16	Soil	6/16/16	7/12/16	7/18/16
OM-SS-14-2	320-19659-19	Soil	6/16/16	7/12/16	7/18/16
OM-SS-13-2	320-19659-20	Soil	6/16/16	7/12/16	7/18/16
OM-SS-11-2	320-19659-25	Soil	6/16/16	7/12/16	7/18/16
OM-SS-10-2	320-19659-27	Soil	6/16/16	7/12/16	7/18/16
OM-SS-20	320-19659-29	Soil	6/16/16	7/12/16	7/18/16 & 7/21/16
OM-SS-09-2	320-19659-30	Soil	6/16/16	7/12/16	7/18/16 & 7/21/16
OM-SS-08-2	320-19659-32	Soil	6/16/16	7/12/16	7/18/16
OM-SS-12-2	320-19659-34	Soil	6/16/16	7/12/16	7/18/16
OM-SS-21	320-19659-36	Soil	6/16/16	7/12/16	7/18/16

1. Data Verification Check

A data verification and completeness check was performed in accordance with the Stage 1 and 2A verification checks outlined in the EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. For the Dioxins /Furans analyses, all analytical data package items were received from the laboratory and the analyses requested were performed.

2. Holding Times

The samples were analyzed within the required holding time limit of 30 days from sample collection to extraction and 45 days from extraction to analysis.

3. Blanks

Method blank was analyzed with the Dioxins/Furans analyses. The method blank was free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits.

6. Laboratory Duplicate Results/Field Duplicate Results

Laboratory duplicate was not analyzed but LCS Duplicate (LCSD) was analyzed. All relative percent differences (RPDs) were within the control limits.

Sample OM-SS-20 was a field duplicate of sample OM-SS-10-5. The relative percent differences (RPDs) of 2,3,7,8-TCDD and 2,3,7,8-TCDF were within the control limits. The RPDs of target analytes except 2,3,7,8-TCDD and 2,3,7,8-TCDF were outside of control limits and the detected results in samples OM-SS-20 and OM-SS-10-5 were qualified as estimated (J).

7. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

Site-specific MS and MSD were not analyzed.

8. Overall Assessment

TestAmerica flagged sample results with the following laboratory qualifiers:

B: Indicates that compound was found in the blank and sample. The data validator removed these qualifiers.

J: Indicates that the concentration is an approximate value because the analyte concentration is below the reporting limit (RL) and above the method detection limit (MDL). These qualifiers were left in place by the data validator.

G: Indicates that the reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference. The data validator removed these qualifiers.

E: Indicates result exceeded calibration range. The data validator removed these qualifiers and added "J" qualifier.

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Laboratory Job Number: 320-19659-1

q: Indicates that the reported concentration is the estimated maximum possible concentration (EMPC) of the analyte, quantitated using the theoretical ion ratio. The measured ion ratio did not meet qualitative identification criteria and indicates a possible interference. The data validator removed these qualifiers and added “J” qualifiers.

The Dioxins and Furans data are acceptable for use as qualified based on the information received.

Data Validation Report – October 12, 2016
Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, CA
Laboratory: TestAmerica Laboratories, Inc.
Laboratory Job Number: 320-19659-1

ATTACHMENT

**TESTAMERICA LABORATORIES INC
RESULTS SUMMARY WITH QUALIFIERS**

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-01-2

Lab Sample ID: 320-19659-1

Date Collected: 06/16/16 08:07

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 84.9

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	100		12	5.9	mg/Kg	*	06/30/16 11:58	07/06/16 13:48	10
Motor Oil Range Organics (C24-C40)	570	B	59	44	mg/Kg	*	06/30/16 11:58	07/06/16 13:48	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	110		63 - 141				06/30/16 11:58	07/06/16 13:48	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000064	J	0.0000012	0.0000000	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
2,3,7,8-TCDF	0.00000037	J	0.0000012	0.0000000	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,7,8-PeCDD	0.00000045	J	0.0000059	0.0000001	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,7,8-PeCDF	0.00000083	J EMP	0.0000059	0.0000001	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
2,3,4,7,8-PeCDF	0.0000010	J	0.0000059	0.0000001	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,7,8-HxCDD	0.00000085		0.0000059	0.0000006	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,6,7,8-HxCDD	0.0000082		0.0000059	0.0000006	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,7,8,9-HxCDD	0.0000025		0.0000059	0.0000005	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,7,8-HxCDF	0.00000089		0.0000059	0.0000018	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,6,7,8-HxCDF	0.00000071		0.0000059	0.0000016	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,7,8,9-HxCDF	ND LL		0.0000059	0.0000018	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
2,3,4,6,7,8-HxCDF	0.00000063		0.0000059	0.0000017	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,6,7,8-HpCDD	0.0016	GB	0.000011	0.000011	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,6,7,8-HpCDF	0.00095	B	0.0000059	0.0000058	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,7,8,9-HpCDF	0.000014	G	0.0000074	0.0000074	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
OCDF	0.00088	B	0.000012	0.0000005	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Total TCDD	0.0000024	EMP	0.0000012	0.0000000	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Total TCDF	0.00000028	EMP	0.0000012	0.0000000	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Total PeCDD	0.0000065		0.0000059	0.0000001	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Total PeCDF	0.0000028	EMP	0.0000059	0.0000001	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Total HxCDD	0.00041	EMP	0.0000059	0.0000005	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Total HxCDF	0.00043		0.0000059	0.0000017	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Total HpCDD	0.0030	GB	0.000011	0.000011	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Total HpCDF	0.0020	GB	0.0000066	0.0000066	mg/Kg	*	07/12/16 13:07	07/17/16 18:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135				07/12/16 13:07	07/17/16 18:23	1
13C-2,3,7,8-TCDF	83		40 - 135				07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,7,8-PeCDD	91		40 - 135				07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,7,8-PeCDF	85		40 - 135				07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,6,7,8-HxCDD	92		40 - 135				07/12/16 13:07	07/17/16 18:23	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-01-2

Lab Sample ID: 320-19659-1

Date Collected: 06/16/16 08:07

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 84.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,7,8-HxCDF	88		40 - 135	07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,4,6,7,8-HpCDD	97		40 - 135	07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,4,6,7,8-HpCDF	87		40 - 135	07/12/16 13:07	07/17/16 18:23	1
13C-OCDD	93		40 - 135	07/12/16 13:07	07/17/16 18:23	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.11	B	0.00059	0.000094	mg/Kg	7	07/12/16 13:07	07/20/16 18:24	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-OCDD	97		40 - 135				07/12/16 13:07	07/20/16 18:24	50

Client Sample ID: OM-SS-02-2

Lab Sample ID: 320-19659-3

Date Collected: 06/16/16 08:53

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 82.5

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	56	J	24	12	mg/Kg	✱	06/24/16 13:15	06/29/16 00:41	20
Motor Oil Range Organics (C24-C40)	720	J	120	90	mg/Kg	✱	06/24/16 13:15	06/29/16 00:41	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	78		63 - 141				06/24/16 13:15	06/29/16 00:41	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000054		0.0000012	0.0000001	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
2,3,7,8-TCDF	0.00000090	J	0.0000012	0.0000000	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,7,8-PeCDD	0.000036		0.0000061	0.0000019	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,7,8-PeCDF	0.0000031	J	0.0000061	0.0000006	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
2,3,4,7,8-PeCDF	0.0000027	J	0.0000061	0.0000006	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,7,8-HxCDD	0.000052		0.0000061	0.0000019	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,6,7,8-HxCDD	0.000033		0.0000061	0.0000019	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,7,8,9-HxCDD	0.000017		0.0000061	0.0000016	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,7,8-HxCDF	0.000027		0.0000061	0.0000052	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,6,7,8-HxCDF	0.000016		0.0000061	0.0000048	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000061	0.0000054	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
2,3,4,6,7,8-HxCDF	0.000014		0.0000061	0.0000051	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,6,7,8-HpCDD	0.0041	EBG J	0.000021	0.000021	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,6,7,8-HpCDF	0.0027	EBG J	0.000017	0.000017	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,7,8,9-HpCDF	0.000038	EBG J	0.000022	0.000022	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
OCDD	0.026	EBG J	0.000018	0.000018	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
OCDF	0.0014	B	0.000012	0.0000007	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
Total TCDD	0.00010	J	0.0000012	0.0000001	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
Total TCDF	0.0000050	4 EBP	0.0000012	0.0000000	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-02-2

Lab Sample ID: 320-19659-3

Date Collected: 06/16/16 08:53

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 82.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total PeCDD	0.00036	J	0.0000061	0.0000019	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
Total PeCDF	0.000056	J	0.0000061	0.0000006	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
Total HxCDD	0.0024		0.0000061	0.0000018	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
Total HxCDF	0.0013		0.0000061	0.0000051	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
Total HpCDD	0.0076	B-G	0.0000021	0.0000021	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
Total HpCDF	0.0054	B-G	0.0000019	0.0000019	mg/Kg	*	07/12/16 13:07	07/17/16 19:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-2,3,7,8-TCDF	78		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,7,8-PeCDD	85		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,7,8-PeCDF	80		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,6,7,8-HxCDD	97		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,4,7,8-HxCDF	99		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,4,6,7,8-HpCDD	87		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,4,6,7,8-HpCDF	74		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-OCDD	84		40 - 135				07/12/16 13:07	07/17/16 19:09	1

Client Sample ID: OM-SS-18

Lab Sample ID: 320-19659-5

Date Collected: 06/16/16 09:00

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 82.6

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	100	J	12	6.1	mg/Kg	*	06/24/16 13:15	06/29/16 01:10	10
Motor Oil Range Organics (C24-C40)	1300	J	61	46	mg/Kg	*	06/24/16 13:15	06/29/16 01:10	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	84		63 - 141				06/24/16 13:15	06/29/16 01:10	10

Client Sample ID: OM-SS-06-2

Lab Sample ID: 320-19659-6

Date Collected: 06/16/16 09:11

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 91.9

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	22		1.1	0.56	mg/Kg	*	06/30/16 11:58	07/07/16 01:35	1
Motor Oil Range Organics (C24-C40)	120	B	5.6	4.2	mg/Kg	*	06/30/16 11:58	07/07/16 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	98		63 - 141				06/30/16 11:58	07/07/16 01:35	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	U	0.0000011	0.0000001	mg/Kg	*	07/12/16 13:07	07/17/16 19:55	1
2,3,7,8-TCDF	0.00000066	J	0.0000011	0.0000000	mg/Kg	*	07/12/16 13:07	07/17/16 19:55	1
1,2,3,7,8-PeCDD	0.0000022	J	0.0000054	0.0000002	mg/Kg	*	07/12/16 13:07	07/17/16 19:55	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-06-2

Lab Sample ID: 320-19659-6

Date Collected: 06/16/16 09:11

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 91.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDF	0.00000090	J	0.00000054	0.00000004	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
2,3,4,7,8-PeCDF	0.00000013	J	0.00000054	0.00000004	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,7,8-HxCDD	0.0000010		0.00000054	0.00000005	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,6,7,8-HxCDD	0.0000089		0.00000054	0.00000005	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,7,8,9-HxCDD	0.0000015		0.00000054	0.00000004	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,7,8-HxCDF	0.00000092		0.00000054	0.00000010	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,6,7,8-HxCDF	0.00000084		0.00000054	0.00000009	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,7,8,9-HxCDF	ND	U	0.00000054	0.00000011	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
2,3,4,6,7,8-HxCDF	0.00000070		0.00000054	0.00000010	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,6,7,8-HpCDD	0.0012	B-G	0.00000064	0.00000064	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,6,7,8-HpCDF	0.00060	B-	0.00000054	0.00000031	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,7,8,9-HpCDF	0.00000091		0.00000054	0.00000039	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
OCDD	0.011	E-B-J	0.0000011	0.00000094	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
OCDF	0.00030	B-	0.0000011	0.00000002	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Total TCDD	0.00014		0.00000011	0.00000001	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Total TCDF	0.000013	q-EMPCJ	0.00000011	0.00000000	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Total PeCDD	0.000026	q-EMPCJ	0.00000054	0.00000002	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Total PeCDF	0.000035		0.00000054	0.00000004	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Total HxCDD	0.00039	q-EMPCJ	0.00000054	0.00000005	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Total HxCDF	0.00032		0.00000054	0.00000010	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Total HpCDD	0.0020	B-B	0.00000064	0.00000064	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Total HpCDF	0.0011	B-	0.00000054	0.00000035	mg/Kg	✱	07/12/16 13:07	07/17/16 19:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	83		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-2,3,7,8-TCDF	79		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,7,8-PeCDD	86		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,7,8-PeCDF	80		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,6,7,8-HxCDD	91		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,4,7,8-HxCDF	91		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,4,6,7,8-HpCDD	94		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-OCDD	96		40 - 135				07/12/16 13:07	07/17/16 19:55	1

Client Sample ID: OM-SS-03-2

Lab Sample ID: 320-19659-8

Date Collected: 06/16/16 09:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 85.1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	130		57	29	mg/Kg	✱	06/24/16 13:15	06/29/16 01:39	50

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-03-2

Lab Sample ID: 320-19659-8

Date Collected: 06/16/16 09:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 85.1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics (C24-C40)	4100		290	220	mg/Kg	*	06/24/16 13:15	06/29/16 01:39	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	79		63 - 141				06/24/16 13:15	06/29/16 01:39	50

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	U	0.0000058	0.0000004	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
2,3,7,8-TCDF	0.00000079	J	0.0000058	0.0000003	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,7,8-PeCDD	0.0000048	J	0.000029	0.0000007	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,7,8-PeCDF	ND	U	0.000029	0.0000006	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
2,3,4,7,8-PeCDF	0.0000018	J	0.000029	0.0000006	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,7,8-HxCDD	0.000010	J	0.000029	0.0000014	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,6,7,8-HxCDD	0.00011		0.000029	0.0000014	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,7,8,9-HxCDD	0.000027	J	0.000029	0.0000012	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,7,8-HxCDF	0.000014	J	0.000029	0.0000021	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,6,7,8-HxCDF	0.000013	J	0.000029	0.0000019	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,7,8,9-HxCDF	ND	U	0.000029	0.0000022	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
2,3,4,6,7,8-HxCDF	0.000011	J	0.000029	0.0000021	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,6,7,8-HpCDD	0.0015	B	0.000029	0.000014	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,6,7,8-HpCDF	0.0012	B	0.000029	0.0000082	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,7,8,9-HpCDF	ND	U	0.000029	0.000011	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
OCDD	0.013	B	0.000058	0.000010	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
OCDF	0.00055	B	0.000058	0.0000008	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Total TCDD	0.000051	4-5 mpe J	0.0000058	0.0000004	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Total TCDF	0.0000097	4-5 mpe J	0.0000058	0.0000003	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Total PeCDD	0.000047		0.000029	0.0000007	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Total PeCDF	0.000049		0.000029	0.0000006	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Total HxCDD	0.00061		0.000029	0.0000013	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Total HxCDF	0.00052		0.000029	0.0000021	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Total HpCDD	0.0029	B	0.000029	0.000014	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Total HpCDF	0.0021	B	0.000029	0.0000094	mg/Kg	*	07/12/16 13:07	07/20/16 16:51	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-2,3,7,8-TCDF	79		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,7,8-PeCDD	87		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,7,8-PeCDF	82		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,6,7,8-HxCDD	92		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,4,7,8-HxCDF	83		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,4,6,7,8-HpCDD	88		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,4,6,7,8-HpCDF	78		40 - 135				07/12/16 13:07	07/20/16 16:51	5

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-03-2

Lab Sample ID: 320-19659-8

Date Collected: 06/16/16 09:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 85.1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
¹³ C-OCDD	87		40 - 135	07/12/16 13:07	07/20/16 16:51	5

Client Sample ID: OM-SS-05-2

Lab Sample ID: 320-19659-10

Date Collected: 06/16/16 09:47

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 79.4

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	9.7		1.3	0.63	mg/Kg	☼	06/24/16 13:15	06/29/16 02:32	1
Motor Oil Range Organics (C24-C40)	65		6.3	4.8	mg/Kg	☼	06/24/16 13:15	06/29/16 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	92		63 - 141				06/24/16 13:15	06/29/16 02:32	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000016	J <i>q</i>	0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
2,3,7,8-TCDF	0.00000011	J <i>q</i>	0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,7,8-PeCDD	0.00000012	J	0.0000063	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,7,8-PeCDF	0.00000045	J	0.0000063	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
2,3,4,7,8-PeCDF	0.00000037	J	0.0000063	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,4,7,8-HxCDD	0.00000025	J	0.0000063	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,6,7,8-HxCDD	0.00000035		0.0000063	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,7,8,9-HxCDD	0.00000091		0.0000063	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,4,7,8-HxCDF	0.00000032	J	0.0000063	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,6,7,8-HxCDF	0.00000027	J	0.0000063	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,7,8,9-HxCDF	ND <i>u</i>		0.0000063	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
2,3,4,6,7,8-HxCDF	0.00000028	J	0.0000063	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,4,6,7,8-HpCDD	0.00043	<i>B</i>	0.0000063	0.0000029	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,4,6,7,8-HpCDF	0.00036	<i>B</i>	0.0000063	0.0000023	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
1,2,3,4,7,8,9-HpCDF	0.0000040	J	0.0000063	0.0000030	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
OCDD	0.0053	<i>EB J</i>	0.000013	0.0000031	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
OCDF	0.00019	<i>B</i>	0.000013	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
Total TCDD	0.00000044	<i>q J</i>	0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
Total TCDF	0.00000091	<i>q J</i>	0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
Total PeCDD	0.0000012	<i>q J</i>	0.0000063	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1
Total PeCDF	0.00000091	<i>q J</i>	0.0000063	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:02	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-05-2

Lab Sample ID: 320-19659-10

Date Collected: 06/16/16 09:47

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 79.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.00017		0.0000063	0.0000003	mg/Kg	✱	07/12/16 13:07	07/18/16 01:02	1
				2					
Total HxCDF	0.00015		0.0000063	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 01:02	1
				1					
Total HpCDD	0.00080	B	0.0000063	0.0000029	mg/Kg	✱	07/12/16 13:07	07/18/16 01:02	1
Total HpCDF	0.00067	B	0.0000063	0.0000027	mg/Kg	✱	07/12/16 13:07	07/18/16 01:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	87		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-2,3,7,8-TCDF	87		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,7,8-PeCDD	90		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,7,8-PeCDF	87		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,6,7,8-HxCDD	90		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,4,7,8-HxCDF	90		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,4,6,7,8-HpCDD	105		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,4,6,7,8-HpCDF	97		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-OCDD	109		40 - 135				07/12/16 13:07	07/18/16 01:02	1

Client Sample ID: OM-SS-07-2

Lab Sample ID: 320-19659-12

Date Collected: 06/16/16 10:04

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 74.0

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	54		1.4	0.69	mg/Kg	✱	06/24/16 13:15	06/29/16 03:01	1
Motor Oil Range Organics (C24-C40)	130		6.9	5.2	mg/Kg	✱	06/24/16 13:15	06/29/16 03:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	93		63 - 141				06/24/16 13:15	06/29/16 03:01	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000084	J	0.0000014	0.0000000	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				90					
2,3,7,8-TCDF	0.00000055	J	0.0000014	0.0000000	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				48					
1,2,3,7,8-PeCDD	0.00000037	J	0.0000068	0.0000001	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				7					
1,2,3,7,8-PeCDF	0.00000094	J	0.0000068	0.0000003	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				5					
2,3,4,7,8-PeCDF	0.00000095	J	0.0000068	0.0000003	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				6					
1,2,3,4,7,8-HxCDD	0.00000066	J	0.0000068	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				9					
1,2,3,6,7,8-HxCDD	0.0000078		0.0000068	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				8					
1,2,3,7,8,9-HxCDD	0.0000021		0.0000068	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				2					
1,2,3,4,7,8-HxCDF	0.00000071		0.0000068	0.0000009	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				3					
1,2,3,6,7,8-HxCDF	0.00000067	J	0.0000068	0.0000008	mg/Kg	✱	07/12/16 13:07	07/18/16 01:49	1
				5					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-07-2

Lab Sample ID: 320-19659-12

Date Collected: 06/16/16 10:04

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 74.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8,9-HxCDF	ND	U	0.0000068	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				5					
2,3,4,6,7,8-HxCDF	0.0000068		0.0000068	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				1					
1,2,3,4,6,7,8-HpCDD	0.0010	B-G	0.0000082	0.0000082	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
1,2,3,4,6,7,8-HpCDF	0.00061	B-	0.0000068	0.0000048	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
1,2,3,4,7,8,9-HpCDF	0.0000088		0.0000068	0.0000062	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
OCDD	0.011	E-B J	0.000014	0.0000066	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
OCDF	0.00038	B-	0.000014	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				9					
Total TCDD	0.000022	a EMPC J	0.0000014	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				90					
Total TCDF	0.0000050	a EMPC J	0.0000014	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				48					
Total PeCDD	0.000029		0.0000068	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				7					
Total PeCDF	0.000025	a EMPC J	0.0000068	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				5					
Total HxCDD	0.00039	a EMPC J	0.0000068	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				6					
Total HxCDF	0.00032	a EMPC J	0.0000068	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
				1					
Total HpCDD	0.0019	B-G	0.0000082	0.0000082	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
Total HpCDF	0.0012	B-	0.0000068	0.0000055	mg/Kg	*	07/12/16 13:07	07/18/16 01:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	80		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-2,3,7,8-TCDF	77		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,7,8-PeCDD	79		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,7,8-PeCDF	77		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,6,7,8-HxCDD	85		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,4,7,8-HxCDF	78		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,4,6,7,8-HpCDD	91		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-OCDD	91		40 - 135				07/12/16 13:07	07/18/16 01:49	1

Client Sample ID: OM-SS-04-2

Lab Sample ID: 320-19659-14

Date Collected: 06/16/16 10:21

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 50.6

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	160		10	5.0	mg/Kg	*	06/24/16 13:15	07/01/16 10:24	5
Motor Oil Range Organics (C24-C40)	730		50	38	mg/Kg	*	06/24/16 13:15	07/01/16 10:24	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	111		63 - 141				06/24/16 13:15	07/01/16 10:24	5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000016	J	0.0000020	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
				8					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-04-2

Lab Sample ID: 320-19659-14

Date Collected: 06/16/16 10:21

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 50.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000015	J	0.0000020	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
				6					
1,2,3,7,8-PeCDD	0.0000072	J	0.0000098	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
				5					
1,2,3,7,8-PeCDF	0.0000040	J	0.0000098	0.0000012	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
2,3,4,7,8-PeCDF	0.0000035	J	0.0000098	0.0000012	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,7,8-HxCDD	0.000018		0.0000098	0.0000011	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
1,2,3,6,7,8-HxCDD	0.00013		0.0000098	0.0000011	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
1,2,3,7,8,9-HxCDD	0.000038		0.0000098	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
				2					
1,2,3,4,7,8-HxCDF	0.000029		0.0000098	0.0000033	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
1,2,3,6,7,8-HxCDF	0.000030		0.0000098	0.0000030	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000098	0.0000033	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
2,3,4,6,7,8-HxCDF	0.000028		0.0000098	0.0000032	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,6,7,8-HpCDD	0.0024	B-G	0.000013	0.000013	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,6,7,8-HpCDF	0.0026	B-G	0.000016	0.000016	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,7,8,9-HpCDF	0.000038	G	0.000021	0.000021	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
OCDD	0.022	E-B J	0.000020	0.000014	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
OCDF	0.0019	B	0.000020	0.0000011	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
Total TCDD	0.000042	4-6-16 J	0.0000020	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
				8					
Total TCDF	0.000019	4-6-16 J	0.0000020	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
				6					
Total PeCDD	0.000065	4-6-16 J	0.0000098	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
				5					
Total PeCDF	0.00013		0.0000098	0.0000012	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
Total HxCDD	0.00073		0.0000098	0.0000010	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
Total HxCDF	0.0013		0.0000098	0.0000032	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
Total HpCDD	0.0045	B-G	0.000013	0.000013	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
Total HpCDF	0.0050	B-G	0.000018	0.000018	mg/Kg	*	07/12/16 13:07	07/18/16 02:35	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	82		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-2,3,7,8-TCDF	80		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,7,8-PeCDD	84		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,7,8-PeCDF	81		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,6,7,8-HxCDD	87		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,4,7,8-HxCDF	86		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,4,6,7,8-HpCDD	92		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-OCDD	93		40 - 135				07/12/16 13:07	07/18/16 02:35	1

Client Sample ID: OM-SS-15-2

Lab Sample ID: 320-19659-16

Date Collected: 06/16/16 10:32

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000014	J	0.0000017	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				69					
2,3,7,8-TCDF	0.00000090	J	0.0000017	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				87					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-15-2

Lab Sample ID: 320-19659-16

Date Collected: 06/16/16 10:32

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	0.0000063	J	0.0000085	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				5					
1,2,3,7,8-PeCDF	0.0000019	J	0.0000085	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				7					
2,3,4,7,8-PeCDF	0.0000018	J	0.0000085	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				8					
1,2,3,4,7,8-HxCDD	0.0000095		0.0000085	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				8					
1,2,3,6,7,8-HxCDD	0.000087		0.0000085	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				5					
1,2,3,7,8,9-HxCDD	0.000031		0.0000085	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				7					
1,2,3,4,7,8-HxCDF	0.000014		0.0000085	0.0000016	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
1,2,3,6,7,8-HxCDF	0.000017		0.0000085	0.0000014	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
1,2,3,7,8,9-HxCDF	ND	u	0.0000085	0.0000016	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
2,3,4,6,7,8-HxCDF	0.000013		0.0000085	0.0000015	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
1,2,3,4,6,7,8-HpCDD	0.0011	B	0.0000085	0.0000059	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.0000085	0.0000055	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
1,2,3,4,7,8,9-HpCDF	0.000016		0.0000085	0.0000070	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
OCDD	0.0088	E B J	0.000017	0.0000055	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
OCDF	0.00084	B	0.000017	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				6					
Total TCDD	0.000022	q Emf J	0.0000017	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				69					
Total TCDF	0.0000070	q Emf J	0.0000017	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				87					
Total PeCDD	0.000051		0.0000085	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				5					
Total PeCDF	0.000060	q Emf J	0.0000085	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				8					
Total HxCDD	0.00048		0.0000085	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
				3					
Total HxCDF	0.00072		0.0000085	0.0000015	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
Total HpCDD	0.0020	B	0.0000085	0.0000059	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
Total HpCDF	0.0023	B	0.0000085	0.0000063	mg/Kg	*	07/12/16 13:07	07/18/16 03:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	84		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-2,3,7,8-TCDF	82		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,7,8-PeCDD	87		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,7,8-PeCDF	83		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,4,7,8-HxCDF	85		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,4,6,7,8-HpCDD	95		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,4,6,7,8-HpCDF	85		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-OCDD	99		40 - 135				07/12/16 13:07	07/18/16 03:21	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-14-2

Lab Sample ID: 320-19659-19

Date Collected: 06/16/16 10:45

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 75.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000018		0.0000013	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				1					
1,2,3,7,8-PeCDD	0.0000078		0.0000067	0.0000008	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				0					
1,2,3,7,8-PeCDF	0.0000023	J	0.0000067	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				4					
2,3,4,7,8-PeCDF	0.0000023	J	0.0000067	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				5					
1,2,3,4,7,8-HxCDD	0.000015		0.0000067	0.0000010	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
1,2,3,6,7,8-HxCDD	0.00011		0.0000067	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				9					
1,2,3,7,8,9-HxCDD	0.000036		0.0000067	0.0000008	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				7					
1,2,3,4,7,8-HxCDF	0.000014		0.0000067	0.0000024	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
1,2,3,6,7,8-HxCDF	0.0000095		0.0000067	0.0000022	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000067	0.0000025	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
2,3,4,6,7,8-HxCDF	0.0000079		0.0000067	0.0000024	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
1,2,3,4,6,7,8-HpCDD	0.0014	B	0.0000067	0.0000062	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
1,2,3,4,6,7,8-HpCDF	0.0011	GB	0.0000068	0.0000068	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
1,2,3,4,7,8,9-HpCDF	0.000025	G	0.0000087	0.0000087	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
OCDD	0.014	EBJ	0.000013	0.0000080	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
OCDF	0.00076	B	0.000013	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				4					
Total TCDD	0.000032	4-EMPC J	0.0000013	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				1					
Total TCDF	0.000010	4-EMPC J	0.0000013	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				0					
Total PeCDD	0.000057	4-EMPC J	0.0000067	0.0000008	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				0					
Total PeCDF	0.000063		0.0000067	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				4					
Total HxCDD	0.00075		0.0000067	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
				6					
Total HxCDF	0.00065		0.0000067	0.0000024	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
Total HpCDD	0.0028	B	0.0000067	0.0000062	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
Total HpCDF	0.0026	GB	0.0000078	0.0000078	mg/Kg	*	07/12/16 13:07	07/18/16 04:07	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	76		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-2,3,7,8-TCDF	77		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,7,8-PeCDD	85		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,7,8-PeCDF	77		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,6,7,8-HxCDD	95		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,4,7,8-HxCDF	118		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,4,6,7,8-HpCDF	64		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-OCDD	86		40 - 135				07/12/16 13:07	07/18/16 04:07	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000065	J	0.0000013	0.0000004	mg/Kg	*	07/12/16 13:07	07/19/16 16:28	1
				1					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-14-2

Lab Sample ID: 320-19659-19

Date Collected: 06/16/16 10:45

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 75.0

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	85		40 - 135	07/12/16 13:07	07/19/16 16:28	1

Client Sample ID: OM-SS-13-2

Lab Sample ID: 320-19659-20

Date Collected: 06/16/16 10:54

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 76.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)									
Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000096	J	0.0000013	0.0000001	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				1					
2,3,7,8-TCDF	0.0000013	J	0.0000013	0.0000000	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				97					
1,2,3,7,8-PeCDD	0.0000055	J	0.0000065	0.0000002	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				3					
1,2,3,7,8-PeCDF	0.0000032	J	0.0000065	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				3					
2,3,4,7,8-PeCDF	0.0000025	J & EMPC	0.0000065	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				3					
1,2,3,4,7,8-HxCDD	0.000011		0.0000065	0.0000005	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				7					
1,2,3,6,7,8-HxCDD	0.00010		0.0000065	0.0000005	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				5					
1,2,3,7,8,9-HxCDD	0.000028		0.0000065	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				8					
1,2,3,4,7,8-HxCDF	0.000018		0.0000065	0.0000016	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
1,2,3,6,7,8-HxCDF	0.000017		0.0000065	0.0000014	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000065	0.0000016	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
2,3,4,6,7,8-HxCDF	0.000014		0.0000065	0.0000015	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
1,2,3,4,6,7,8-HpCDD	0.0014	B	0.0000065	0.0000053	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
1,2,3,4,6,7,8-HpCDF	0.0014	B & G	0.0000091	0.0000091	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
1,2,3,4,7,8,9-HpCDF	0.000026	G	0.000012	0.000012	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
OCDD	0.016	E & J	0.000013	0.0000075	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
OCDF	0.00065	B	0.000013	0.0000003	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				8					
Total TCDD	0.000029	J & EMPC	0.0000013	0.0000001	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				1					
Total TCDF	0.000012	J & EMPC	0.0000013	0.0000000	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				97					
Total PeCDD	0.000046	J & EMPC	0.0000065	0.0000002	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				3					
Total PeCDF	0.000074	J & EMPC	0.0000065	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				3					
Total HxCDD	0.00060		0.0000065	0.0000005	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
				3					
Total HxCDF	0.00076	q	0.0000065	0.0000015	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
Total HpCDD	0.0026	B	0.0000065	0.0000053	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
Total HpCDF	0.0030	B & G	0.000010	0.000010	mg/Kg	✱	07/12/16 13:07	07/18/16 04:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	87		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-2,3,7,8-TCDF	84		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,7,8-PeCDD	96		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,7,8-PeCDF	89		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,6,7,8-HxCDD	96		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,4,7,8-HxCDF	116		40 - 135				07/12/16 13:07	07/18/16 04:53	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-13-2

Lab Sample ID: 320-19659-20

Date Collected: 06/16/16 10:54

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 76.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
¹³ C-1,2,3,4,6,7,8-HpCDD	95		40 - 135	07/12/16 13:07	07/18/16 04:53	1
¹³ C-1,2,3,4,6,7,8-HpCDF	60		40 - 135	07/12/16 13:07	07/18/16 04:53	1
¹³ C-OCDD	100		40 - 135	07/12/16 13:07	07/18/16 04:53	1

Client Sample ID: OM-SS-16

Lab Sample ID: 320-19659-22

Date Collected: 06/16/16 11:04

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 59.7

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	490		34	17	mg/Kg	✱	06/30/16 11:58	07/07/16 02:04	10
Motor Oil Range Organics (C24-C40)	1500	B	170	130	mg/Kg	✱	06/30/16 11:58	07/07/16 02:04	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	120		63 - 141				06/30/16 11:58	07/07/16 02:04	10

Client Sample ID: OM-SS-19

Lab Sample ID: 320-19659-23

Date Collected: 06/16/16 11:08

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 63.8

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	450		16	7.8	mg/Kg	✱	06/24/16 13:15	07/01/16 10:52	5
Motor Oil Range Organics (C24-C40)	1600		78	59	mg/Kg	✱	06/24/16 13:15	07/01/16 10:52	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	131		63 - 141				06/24/16 13:15	07/01/16 10:52	5

Client Sample ID: OM-SS-17

Lab Sample ID: 320-19659-24

Date Collected: 06/16/16 11:13

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 64.0

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	270		8.0	4.0	mg/Kg	✖	06/24/16 13:15	06/29/16 04:27	5
Motor Oil Range Organics (C24-C40)	1200		40	30	mg/Kg	✖	06/24/16 13:15	06/29/16 04:27	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	102		63 - 141				06/24/16 13:15	06/29/16 04:27	5

Client Sample ID: OM-SS-11-2

Lab Sample ID: 320-19659-25

Date Collected: 06/16/16 11:33

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 81.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000029		0.0000012	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1

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TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-11-2

Lab Sample ID: 320-19659-25

Date Collected: 06/16/16 11:33

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 81.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	0.000013		0.0000061	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				7					
1,2,3,7,8-PeCDF	0.0000035	J	0.0000061	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				0					
2,3,4,7,8-PeCDF	0.0000034	J	0.0000061	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				1					
1,2,3,4,7,8-HxCDD	0.000018		0.0000061	0.0000010	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
1,2,3,6,7,8-HxCDD	0.00017		0.0000061	0.0000010	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
1,2,3,7,8,9-HxCDD	0.000073		0.0000061	0.0000008	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				8					
1,2,3,4,7,8-HxCDF	0.000024		0.0000061	0.0000016	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
1,2,3,6,7,8-HxCDF	0.000025		0.0000061	0.0000015	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000061	0.0000016	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
2,3,4,6,7,8-HxCDF	0.000019		0.0000061	0.0000016	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
1,2,3,4,6,7,8-HpCDD	0.0020	BG	0.0000062	0.0000062	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
1,2,3,4,6,7,8-HpCDF	0.0024	BG	0.0000062	0.0000062	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
1,2,3,4,7,8,9-HpCDF	0.000026	G	0.0000079	0.0000079	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
OCDD	0.018	EB J	0.000012	0.0000088	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
OCDF	0.0012	B	0.000012	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				6					
Total TCDD	0.000052	q Enllg J	0.0000012	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				70					
Total TCDF	0.000013	q Enllg J	0.0000012	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				2					
Total PeCDD	0.00015		0.0000061	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				7					
Total PeCDF	0.000094		0.0000061	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				1					
Total HxCDD	0.0011		0.0000061	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
				8					
Total HxCDF	0.0012		0.0000061	0.0000016	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
Total HpCDD	0.0037	BG	0.0000062	0.0000062	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
Total HpCDF	0.0043	BG	0.0000070	0.0000070	mg/Kg	*	07/12/16 13:07	07/18/16 05:39	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	91		40 - 135				07/12/16 13:07	07/18/16 05:39	1
13C-2,3,7,8-TCDF	87		40 - 135				07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,7,8-PeCDD	99		40 - 135				07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,7,8-PeCDF	92		40 - 135				07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,6,7,8-HxCDD	98		40 - 135				07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,4,7,8-HxCDF	104		40 - 135				07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,4,6,7,8-HpCDD	101		40 - 135				07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,4,6,7,8-HpCDF	88		40 - 135				07/12/16 13:07	07/18/16 05:39	1
13C-OCDD	107		40 - 135				07/12/16 13:07	07/18/16 05:39	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000089	J	0.0000012	0.0000003	mg/Kg	*	07/12/16 13:07	07/19/16 17:06	1
				2					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	95		40 - 135				07/12/16 13:07	07/19/16 17:06	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-10-2

Lab Sample ID: 320-19659-27

Date Collected: 06/16/16 11:47

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 81.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000054		0.0000012	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				6					
1,2,3,7,8-PeCDD	0.000026		0.0000061	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				1					
1,2,3,7,8-PeCDF	0.0000025	J	0.0000061	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				8					
2,3,4,7,8-PeCDF	0.0000028	J	0.0000061	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				9					
1,2,3,4,7,8-HxCDD	0.000044		0.0000061	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				2					
1,2,3,6,7,8-HxCDD	0.00024		0.0000061	0.0000008	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				9					
1,2,3,7,8,9-HxCDD	0.00011		0.0000061	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				8					
1,2,3,4,7,8-HxCDF	0.000022		0.0000061	0.0000023	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
1,2,3,6,7,8-HxCDF	0.000018		0.0000061	0.0000021	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000061	0.0000023	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
2,3,4,6,7,8-HxCDF	0.000016		0.0000061	0.0000022	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
1,2,3,4,6,7,8-HpCDD	0.0032	E-B-G J	0.000010	0.000010	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
1,2,3,4,6,7,8-HpCDF	0.0022	B-G	0.0000067	0.0000067	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
1,2,3,4,7,8,9-HpCDF	0.000027	G	0.0000086	0.0000086	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
OCDF	0.0012	B	0.000012	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				8					
Total TCDD	0.00011		0.0000012	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				6					
Total TCDF	0.000012		0.0000012	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				5					
Total PeCDD	0.00023		0.0000061	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				1					
Total PeCDF	0.000075	G-MPE J	0.0000061	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				8					
Total HxCDD	0.0017		0.0000061	0.0000008	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
				7					
Total HxCDF	0.0011	G-MPE J	0.0000061	0.0000022	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
Total HpCDD	0.0058	B-G	0.000010	0.000010	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1
Total HpCDF	0.0041	B-G	0.0000077	0.0000077	mg/Kg	*	07/12/16 13:07	07/18/16 06:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	93		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-2,3,7,8-TCDF	92		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,7,8-PeCDD	101		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,7,8-PeCDF	96		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,6,7,8-HxCDD	103		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,4,7,8-HxCDF	109		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,4,6,7,8-HpCDD	108		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,4,6,7,8-HpCDF	95		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-OCDD	107		40 - 135	07/12/16 13:07	07/18/16 06:26	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.029	B	0.00024	0.000026	mg/Kg	*	07/12/16 13:07	07/20/16 17:38	20
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-OCDD	102		40 - 135				07/12/16 13:07	07/20/16 17:38	20

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-10-2

Lab Sample ID: 320-19659-27

Date Collected: 06/16/16 11:47

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 81.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000066	J	0.0000012	0.0000002	mg/Kg	*	07/12/16 13:07	07/19/16 19:37	1
				0					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	105		40 - 135				07/12/16 13:07	07/19/16 19:37	1

Client Sample ID: OM-SS-20

Lab Sample ID: 320-19659-29

Date Collected: 06/16/16 11:55

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 57.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000067		0.0000017	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
				5					
1,2,3,7,8-PeCDD	0.000052	J	0.0000086	0.0000037	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,7,8-PeCDF	0.000012	J	0.0000086	0.0000014	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
2,3,4,7,8-PeCDF	0.000014	J	0.0000086	0.0000014	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,7,8-HxCDD	0.00011	J	0.0000086	0.0000038	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,6,7,8-HxCDD	0.00063	J	0.0000086	0.0000037	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,7,8,9-HxCDD	0.00030	J	0.0000086	0.0000032	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,7,8-HxCDF	0.00013	G J	0.000018	0.000018	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,6,7,8-HxCDF	0.00014	G J	0.000017	0.000017	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,7,8,9-HxCDF	ND	G J	0.000019	0.000019	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
2,3,4,6,7,8-HxCDF	0.00015	G J	0.000018	0.000018	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,6,7,8-HpCDD	0.0042	E-B G J	0.000019	0.000019	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,6,7,8-HpCDF	0.019	E-B G J	0.000059	0.000059	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,7,8,9-HpCDF	0.000079	G J	0.000075	0.000075	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
OCDD	0.014	E-B J	0.000017	0.0000071	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
OCDF	0.0068	B J	0.000017	0.0000029	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
Total TCDD	0.00014	J	0.0000017	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
				5					
Total TCDF	0.000052	J	0.0000017	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
				3					
Total PeCDD	0.00060	J	0.0000086	0.0000037	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
Total PeCDF	0.00057	J	0.0000086	0.0000014	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
Total HxCDD	0.0042	J	0.0000086	0.0000036	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
Total HxCDF	0.0074	G J	0.000018	0.000018	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
Total HpCDD	0.0072	B-G J	0.000019	0.000019	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
Total HpCDF	0.030	B-G J	0.000067	0.000067	mg/Kg	*	07/12/16 13:07	07/18/16 07:12	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	86		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-2,3,7,8-TCDF	84		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,7,8-PeCDD	88		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,7,8-PeCDF	84		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,6,7,8-HxCDD	90		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,4,7,8-HxCDF	94		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,4,6,7,8-HpCDD	97		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,4,6,7,8-HpCDF	85		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-OCDD	94		40 - 135				07/12/16 13:07	07/18/16 07:12	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-20

Lab Sample ID: 320-19659-29

Date Collected: 06/16/16 11:55

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 57.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000015	J	0.0000017	0.0000008	mg/Kg	*	07/12/16 13:07	07/19/16 17:44	1
				0					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
¹³ C-2,3,7,8-TCDF	93		40 - 135				07/12/16 13:07	07/19/16 17:44	1

Client Sample ID: OM-SS-09-2

Lab Sample ID: 320-19659-30

Date Collected: 06/16/16 12:05

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 86.2

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	74		5.8	2.9	mg/Kg	*	06/24/16 13:15	06/29/16 04:56	5
Motor Oil Range Organics (C24-C40)	520		29	22	mg/Kg	*	06/24/16 13:15	06/29/16 04:56	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	97		63 - 141				06/24/16 13:15	06/29/16 04:56	5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000021		0.0000011	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				2					
1,2,3,7,8-PeCDD	0.000012		0.0000057	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				8					
1,2,3,7,8-PeCDF	0.0000045	J	0.0000057	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				3					
2,3,4,7,8-PeCDF	0.0000035	J	0.0000057	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				5					
1,2,3,4,7,8-HxCDD	0.000025		0.0000057	0.0000010	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
1,2,3,6,7,8-HxCDD	0.000023		0.0000057	0.0000010	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
1,2,3,7,8,9-HxCDD	0.000073		0.0000057	0.0000008	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				7					
1,2,3,4,7,8-HxCDF	0.000024		0.0000057	0.0000027	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
1,2,3,6,7,8-HxCDF	0.000019		0.0000057	0.0000025	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000057	0.0000027	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
2,3,4,6,7,8-HxCDF	0.000016		0.0000057	0.0000026	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
1,2,3,4,6,7,8-HpCDF	0.0018	GB	0.0000089	0.0000089	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
1,2,3,4,7,8,9-HpCDF	0.000027	GB	0.000011	0.000011	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
OCDF	0.0010	B	0.000011	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				7					
Total TCDD	0.000087		0.0000011	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				2					
Total TCDF	0.000014	q-GMPC-5	0.0000011	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				3					
Total PeCDD	0.00013		0.0000057	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				8					
Total PeCDF	0.000086		0.0000057	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				4					
Total HxCDD	0.0013		0.0000057	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
				6					
Total HxCDF	0.00099	q-GMPC-5	0.0000057	0.0000026	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1
Total HpCDF	0.0035	GB	0.000010	0.000010	mg/Kg	*	07/12/16 13:07	07/18/16 21:01	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-09-2

Lab Sample ID: 320-19659-30

Date Collected: 06/16/16 12:05

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 86.2

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	88		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-2,3,7,8-TCDF	83		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,7,8-PeCDD	97		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,7,8-PeCDF	88		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,6,7,8-HxCDD	95		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,4,7,8-HxCDF	95		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,4,6,7,8-HpCDF	89		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-OCDD	110		40 - 135	07/12/16 13:07	07/18/16 21:01	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	0.0038	B	0.000057	0.000038	mg/Kg	*	07/12/16 13:07	07/21/16 20:07	10
OCDD	0.033	B	0.00011	0.000021	mg/Kg	*	07/12/16 13:07	07/21/16 20:07	10
Total HpCDD	0.0071	B	0.000057	0.000038	mg/Kg	*	07/12/16 13:07	07/21/16 20:07	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	83		40 - 135				07/12/16 13:07	07/21/16 20:07	10
13C-OCDD	87		40 - 135				07/12/16 13:07	07/21/16 20:07	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000086	J	0.0000011	0.0000002	mg/Kg	☼	07/12/16 13:07	07/21/16 12:58	1
						6			
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	107		40 - 135				07/12/16 13:07	07/21/16 12:58	1

Client Sample ID: OM-SS-08-2

Lab Sample ID: 320-19659-32

Date Collected: 06/16/16 12:21

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 77.6

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	130		13	6.5	mg/Kg	☼	06/24/16 13:15	07/01/16 11:21	10
Motor Oil Range Organics (C24-C40)	460		65	49	mg/Kg	☼	06/24/16 13:15	07/01/16 11:21	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	105		63 - 141				06/24/16 13:15	07/01/16 11:21	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000037		0.0000013	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
1,2,3,7,8-PeCDD	0.000019		0.0000064	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
1,2,3,7,8-PeCDF	0.0000084		0.0000064	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
2,3,4,7,8-PeCDF	0.0000074		0.0000064	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
1,2,3,4,7,8-HxCDD	0.000030		0.0000064	0.0000011	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
1,2,3,6,7,8-HxCDD	0.00027		0.0000064	0.0000011	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
1,2,3,7,8,9-HxCDD	0.00010		0.0000064	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
1,2,3,4,7,8-HxCDF	0.000038		0.0000064	0.0000036	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-08-2

Lab Sample ID: 320-19659-32

Date Collected: 06/16/16 12:21

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 77.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	0.000029		0.0000064	0.0000033	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000064	0.0000037	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
2,3,4,6,7,8-HxCDF	0.000025		0.0000064	0.0000035	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
1,2,3,4,7,8,9-HpCDF	0.000033	G	0.000015	0.000015	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
OCDF	0.0015	B	0.000013	0.0000008	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
				0					
Total TCDD	0.000097	J EMPC	0.0000013	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
				9					
Total TCDF	0.000015		0.0000013	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
				2					
Total PeCDD	0.00020		0.0000064	0.0000004	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
				3					
Total PeCDF	0.00013	J EMPC	0.0000064	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
				6					
Total HxCDD	0.0016		0.0000064	0.0000010	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
Total HxCDF	0.0017		0.0000064	0.0000035	mg/Kg	*	07/12/16 13:07	07/18/16 21:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	89		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-2,3,7,8-TCDF	86		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-1,2,3,7,8-PeCDD	101		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-1,2,3,7,8-PeCDF	91		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-1,2,3,6,7,8-HxCDD	97		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-1,2,3,4,7,8-HxCDF	100		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-OCDD	112		40 - 135				07/12/16 13:07	07/18/16 21:48	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	0.0046	B	0.000064	0.000039	mg/Kg	*	07/12/16 13:07	07/21/16 20:53	10
1,2,3,4,6,7,8-HpCDF	0.0037	B	0.000064	0.000020	mg/Kg	*	07/12/16 13:07	07/21/16 20:53	10
OCDD	0.043	B	0.00013	0.000023	mg/Kg	*	07/12/16 13:07	07/21/16 20:53	10
Total HpCDD	0.0093	B	0.000064	0.000039	mg/Kg	*	07/12/16 13:07	07/21/16 20:53	10
Total HpCDF	0.0066	B	0.000064	0.000022	mg/Kg	*	07/12/16 13:07	07/21/16 20:53	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135				07/12/16 13:07	07/21/16 20:53	10
13C-1,2,3,4,6,7,8-HpCDF	92		40 - 135				07/12/16 13:07	07/21/16 20:53	10
13C-OCDD	82		40 - 135				07/12/16 13:07	07/21/16 20:53	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000016		0.0000013	0.0000003	mg/Kg	*	07/12/16 13:07	07/21/16 13:36	1
				1					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	108		40 - 135				07/12/16 13:07	07/21/16 13:36	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-12-2

Lab Sample ID: 320-19659-34

Date Collected: 06/16/16 12:38

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 75.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000013		0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				85					
2,3,7,8-TCDF	0.00000036	J	0.0000013	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				0					
1,2,3,7,8-PeCDD	0.00000056	J	0.00000066	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				8					
1,2,3,7,8-PeCDF	0.0000010	J	0.00000066	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				3					
2,3,4,7,8-PeCDF	0.00000082	J	0.00000066	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				4					
1,2,3,4,7,8-HxCDD	0.00000071		0.00000066	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				0					
1,2,3,6,7,8-HxCDD	0.0000051		0.00000066	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				8					
1,2,3,7,8,9-HxCDD	0.0000026		0.00000066	0.0000005	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				9					
1,2,3,4,7,8-HxCDF	0.00000070		0.00000066	0.0000012	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
1,2,3,6,7,8-HxCDF	0.00000064	J	0.00000066	0.0000011	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
1,2,3,7,8,9-HxCDF	ND	U	0.00000066	0.0000012	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
2,3,4,6,7,8-HxCDF	0.00000061	J	0.00000066	0.0000011	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
1,2,3,4,6,7,8-HpCDD	0.0000069	B	0.00000066	0.0000038	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.00000066	0.0000044	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
1,2,3,4,7,8,9-HpCDF	0.00000065	J	0.00000066	0.0000056	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
OCDD	0.0064	E-B J	0.0000013	0.0000042	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
OCDF	0.00045	B	0.0000013	0.0000003	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				3					
Total TCDD	0.0000022	4-EMPE J	0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				85					
Total TCDF	0.0000040	4-EMPE J	0.0000013	0.0000001	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				0					
Total PeCDD	0.0000063		0.00000066	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				8					
Total PeCDF	0.0000026		0.00000066	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				3					
Total HxCDD	0.00043		0.00000066	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
				6					
Total HxCDF	0.00038		0.00000066	0.0000011	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
Total HpCDD	0.0014	B	0.00000066	0.0000038	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1
Total HpCDF	0.0018	B	0.00000066	0.0000050	mg/Kg	*	07/12/16 13:07	07/18/16 22:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	60		40 - 135	07/12/16 13:07	07/18/16 22:34	1
13C-2,3,7,8-TCDF	57		40 - 135	07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,7,8-PeCDD	64		40 - 135	07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,7,8-PeCDF	59		40 - 135	07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,6,7,8-HxCDD	66		40 - 135	07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,4,7,8-HxCDF	64		40 - 135	07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,4,6,7,8-HpCDD	69		40 - 135	07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,4,6,7,8-HpCDF	62		40 - 135	07/12/16 13:07	07/18/16 22:34	1
13C-OCDD	71		40 - 135	07/12/16 13:07	07/18/16 22:34	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-21

Lab Sample ID: 320-19659-36

Date Collected: 06/16/16 12:45

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 76.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000014		0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				74					
2,3,7,8-TCDF	0.00000051	J	0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				62					
1,2,3,7,8-PeCDD	0.0000062	J	0.0000065	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				1					
1,2,3,7,8-PeCDF	0.0000012	J	0.0000065	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				5					
2,3,4,7,8-PeCDF	0.00000088	J	0.0000065	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				5					
1,2,3,4,7,8-HxCDD	0.0000074		0.0000065	0.0000007	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				1					
1,2,3,6,7,8-HxCDD	0.000060		0.0000065	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				9					
1,2,3,7,8,9-HxCDD	0.000030		0.0000065	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				0					
1,2,3,4,7,8-HxCDF	0.0000079		0.0000065	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				9					
1,2,3,6,7,8-HxCDF	0.0000075		0.0000065	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				1					
1,2,3,7,8,9-HxCDF	ND	U	0.0000065	0.0000010	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
2,3,4,6,7,8-HxCDF	0.0000068		0.0000065	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				7					
1,2,3,4,6,7,8-HpCDD	0.00074	B	0.0000065	0.0000040	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.0000065	0.0000045	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
1,2,3,4,7,8,9-HpCDF	0.0000065		0.0000065	0.0000057	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
OCDD	0.0065	E-B-J	0.000013	0.0000044	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
OCDF	0.00045	B	0.000013	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				9					
Total TCDD	0.000025		0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				74					
Total TCDF	0.0000031	g-Emf6J	0.0000013	0.0000000	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				62					
Total PeCDD	0.000068		0.0000065	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				1					
Total PeCDF	0.000030		0.0000065	0.0000002	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				5					
Total HxCDD	0.00047		0.0000065	0.0000006	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				7					
Total HxCDF	0.00044		0.0000065	0.0000009	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
				7					
Total HpCDD	0.0015	B	0.0000065	0.0000040	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
Total HpCDF	0.0018	B	0.0000065	0.0000051	mg/Kg	*	07/12/16 13:07	07/18/16 23:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	92		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-2,3,7,8-TCDF	86		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,7,8-PeCDD	97		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,7,8-PeCDF	91		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,6,7,8-HxCDD	95		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,4,7,8-HxCDF	95		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,4,6,7,8-HpCDD	106		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,4,6,7,8-HpCDF	95		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-OCDD	107		40 - 135				07/12/16 13:07	07/18/16 23:20	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-W

Lab Sample ID: 320-19659-37

Date Collected: 06/16/16 13:10

Matrix: Water

Date Received: 06/17/16 13:50

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	48	J B	52	17	ug/L		06/23/16 11:34	06/27/16 18:13	1
Motor Oil Range Organics (C24-C40)	280	J B	520	170	ug/L		06/23/16 11:34	06/27/16 18:13	1
<i>VOID</i>									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	81		56 - 145				06/23/16 11:34	06/27/16 18:13	1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	ND	H UJ	52	17	ug/L		07/05/16 10:54	07/07/16 12:40	1
Motor Oil Range Organics (C24-C40)	ND	H UJ	520	170	ug/L		07/05/16 10:54	07/07/16 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	66		56 - 145				07/05/16 10:54	07/07/16 12:40	1

TestAmerica Sacramento

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Sacramento

880 Riverside Parkway

West Sacramento, CA 95605

Tel: (916)373-5600

TestAmerica Job ID: 320-19659-1

Client Project/Site: Mt. Shasta, Old Mill

For:

Weston Solutions, Inc.

1340 Treat Blvd., Suite 210

Walnut Creek, California 94597

Attn: Ms. Tara Fitzgerald



Authorized for release by:

7/27/2016 3:19:10 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Job ID: 320-19659-1

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative 320-19659-1

Receipt

The samples were received on 6/17/2016 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

Receipt Exceptions

The following sample is listed as a soil on the Chain of Custody (COC) but it is a water matrix: OM-W (320-19659-37)

GC Semi VOA

Method(s) 8015B: The following samples were diluted 5X due to concentrations of target analytes in the sample matrix: OM-SS-04-2 (320-19659-14), OM-SS-19 (320-19659-23), OM-SS-17 (320-19659-24) and OM-SS-09-2 (320-19659-30). Elevated reporting limits (RLs) are provided.

Method(s) 8015B: The following samples required a dilution greater than 5X to concentrations of target analytes in the sample matrix: OM-SS-01-2 (320-19659-1), OM-SS-02-2 (320-19659-3), OM-SS-18 (320-19659-5), OM-SS-03-2 (320-19659-8), OM-SS-16 (320-19659-22), and OM-SS-08-2 (320-19659-32). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation may not provide useful information.

Method(s) 8015B: Diesel Range Organics [C12-C24] and Motor Oil Range Organics (C24-C40) was detected above the reporting limit (RL) in the method blank associated with preparation batch 320-115045 and 320-116520 and analytical batch 320-115426 as well as in the following sample: OM-W (320-19659-37). The root cause of these detections were identified as carryover from prior extractions and remedied. The sample was re-extracted outside of holding time. Both sets of data have been reported.

Method(s) 8015B: Due to the high concentration of Diesel Range Organics [C12-C24], the matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 320-116148 and analytical batch 320-116636 could not be evaluated for accuracy (%Rec) and precision (RPD). The presence of the "4" qualifier indicates that the concentration in the parent sample was greater than 4X that in the parent sample. The associated laboratory control sample (LCS) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C SGC: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-115045 and 320-116520 for 8015B.

Method(s) 3510C SGC: The following samples formed emulsions during the extraction procedure for method 8015B: OM-W (320-19659-37). The presence of emulsion resulted in an incomplete separation between the sample and extraction solvent. The emulsions were broken at concentration using glass wool and filter paper. Any affect on analyte recoveries should be reflected in the surrogate recovery.

Method(s) 3550B: The parent sample and matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-115239 for method 8015B was removed from the batch due to a potential mis-labeling. As a result, this batch does not have an associated MS/MSD pair.

Method(s) 3550B: During the nitrogen blow down step after the Silica-Gel Cleanup (SGC), the follow samples were viscous for method 8015B: OM-SS-19 (320-19659-23) and OM-SS-17 (320-19659-24). These may require dilution prior to analysis.

Method(s) 3550B: Due to the matrix, the following sample could not be concentrated to the final method required volume for method 8015B: OM-SS-16 (320-19659-22) and OM-SS-19 (320-19659-23). The reporting limits (RLs) are elevated proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Dioxin

Method(s) 8290A: The following sample was diluted due to the nature of the sample matrix: OM-SS-03-2 (320-19659-8). Elevated

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Job ID: 320-19659-1 (Continued)

Laboratory: TestAmerica Sacramento (Continued)

reporting limits (RLs) are provided.

Method(s) 8290A: The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): OM-SS-01-2 (320-19659-1), OM-SS-02-2 (320-19659-3), OM-SS-06-2 (320-19659-6), OM-SS-07-2 (320-19659-12), OM-SS-04-2 (320-19659-14), OM-SS-14-2 (320-19659-19), OM-SS-13-2 (320-19659-20), OM-SS-11-2 (320-19659-25), OM-SS-10-2 (320-19659-27), OM-SS-20 (320-19659-29), OM-SS-09-2 (320-19659-30) and OM-SS-08-2 (320-19659-32). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Method(s) 8290A: The concentration of one or more analytes associated with the following sample exceeded the instrument calibration range: OM-SS-02-2 (320-19659-3), OM-SS-06-2 (320-19659-6), OM-SS-05-2 (320-19659-10), OM-SS-07-2 (320-19659-12), OM-SS-04-2 (320-19659-14), OM-SS-15-2 (320-19659-16), OM-SS-14-2 (320-19659-19), OM-SS-13-2 (320-19659-20), OM-SS-11-2 (320-19659-25), OM-SS-10-2 (320-19659-27), OM-SS-20 (320-19659-29), OM-SS-12-2 (320-19659-34) and OM-SS-21 (320-19659-36). These analytes have been qualified; however, the peaks did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range. No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Dioxin Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-01-2

Lab Sample ID: 320-19659-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.00000064	J	0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.00000037	J	0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.00000045	J	0.0000059	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000083	J q	0.0000059	0.0000001	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000010	J	0.0000059	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.0000085		0.0000059	0.0000006	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000082		0.0000059	0.0000006	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000025		0.0000059	0.0000005	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.0000089		0.0000059	0.0000018	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000071		0.0000059	0.0000016	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000063		0.0000059	0.0000017	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0016	G B	0.000011	0.000011	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00095	B	0.0000059	0.0000058	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000014	G	0.0000074	0.0000074	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00088	B	0.000012	0.0000005	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.000024	q	0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.0000028	q	0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000065		0.0000059	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000028	q	0.0000059	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00041	q	0.0000059	0.0000005	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00043		0.0000059	0.0000017	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0030	G B	0.000011	0.000011	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0020	G B	0.0000066	0.0000066	mg/Kg	1		✱	8290A	Total/NA
OCDD - DL	0.11	B	0.00059	0.000094	mg/Kg	50		✱	8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	100		12	5.9	mg/Kg	10		✱	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	570	B	59	44	mg/Kg	10		✱	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-01-5

Lab Sample ID: 320-19659-2

No Detections.

Client Sample ID: OM-SS-02-2

Lab Sample ID: 320-19659-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000054		0.0000012	0.0000001	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.00000090	J	0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-02-2 (Continued)

Lab Sample ID: 320-19659-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8-PeCDD	0.000036		0.0000061	0.0000019	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000031	J	0.0000061	0.0000006	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000027	J	0.0000061	0.0000006	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000052		0.0000061	0.0000019	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00033		0.0000061	0.0000019	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00017		0.0000061	0.0000016	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000027		0.0000061	0.0000052	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000016		0.0000061	0.0000048	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000014		0.0000061	0.0000051	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0041	E B G	0.000021	0.000021	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0027	E B G	0.000017	0.000017	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000038	G	0.000022	0.000022	mg/Kg	1	☼	8290A	Total/NA
OCDD	0.026	E B G	0.000018	0.000018	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.0014	B	0.000012	0.0000007	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.00010		0.0000012	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.0000050	q	0.0000012	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00036	q	0.0000061	0.0000019	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.000056		0.0000061	0.0000006	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0024		0.0000061	0.0000018	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.0013		0.0000061	0.0000051	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0076	B G	0.000021	0.000021	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.0054	B G	0.000019	0.000019	mg/Kg	1	☼	8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	56		24	12	mg/Kg	20	☼	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	720		120	90	mg/Kg	20	☼	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-02-5

Lab Sample ID: 320-19659-4

No Detections.

Client Sample ID: OM-SS-18

Lab Sample ID: 320-19659-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	100		12	6.1	mg/Kg	10	☼	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	1300		61	46	mg/Kg	10	☼	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-06-2

Lab Sample ID: 320-19659-6

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.00000066	J	0.0000011	0.0000000	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000022	J	0.0000054	0.0000002	mg/Kg	1	☼	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-06-2 (Continued)

Lab Sample ID: 320-19659-6

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,7,8-PeCDF	0.00000090	J	0.0000054	0.0000004	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000013	J	0.0000054	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000010		0.0000054	0.0000005	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000089		0.0000054	0.0000005	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000015		0.0000054	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.0000092		0.0000054	0.0000010	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000084		0.0000054	0.0000009	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000070		0.0000054	0.0000010	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0012	B G	0.0000064	0.0000064	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00060	B	0.0000054	0.0000031	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.0000091		0.0000054	0.0000039	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.011	E B	0.000011	0.0000094	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00030	B	0.000011	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.00014		0.0000011	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.000013	q	0.0000011	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000026	q	0.0000054	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000035		0.0000054	0.0000004	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00039	q	0.0000054	0.0000005	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00032		0.0000054	0.0000010	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0020	B G	0.0000064	0.0000064	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0011	B	0.0000054	0.0000035	mg/Kg	1		✱	8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	22		1.1	0.56	mg/Kg	1		✱	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	120	B	5.6	4.2	mg/Kg	1		✱	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-06-5

Lab Sample ID: 320-19659-7

No Detections.

Client Sample ID: OM-SS-03-2

Lab Sample ID: 320-19659-8

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.00000079	J	0.0000058	0.0000003	mg/Kg	5		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000048	J	0.000029	0.0000007	mg/Kg	5		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000018	J	0.000029	0.0000006	mg/Kg	5		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000010	J	0.000029	0.0000014	mg/Kg	5		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00011		0.000029	0.0000014	mg/Kg	5		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000027	J	0.000029	0.0000012	mg/Kg	5		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-03-2 (Continued)

Lab Sample ID: 320-19659-8

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDF	0.000014	J	0.000029	0.0000021	mg/Kg	5	✱		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000013	J	0.000029	0.0000019	mg/Kg	5	✱		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000011	J	0.000029	0.0000021	mg/Kg	5	✱		8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0015	B	0.000029	0.000014	mg/Kg	5	✱		8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0012	B	0.000029	0.0000082	mg/Kg	5	✱		8290A	Total/NA
OCDD	0.013	B	0.000058	0.000010	mg/Kg	5	✱		8290A	Total/NA
OCDF	0.00055	B	0.000058	0.0000008	mg/Kg	5	✱		8290A	Total/NA
Total TCDD	0.000051	q	0.0000058	0.0000004	mg/Kg	5	✱		8290A	Total/NA
Total TCDF	0.0000097	q	0.0000058	0.0000003	mg/Kg	5	✱		8290A	Total/NA
Total PeCDD	0.000047		0.000029	0.0000007	mg/Kg	5	✱		8290A	Total/NA
Total PeCDF	0.000049		0.000029	0.0000006	mg/Kg	5	✱		8290A	Total/NA
Total HxCDD	0.00061		0.000029	0.0000013	mg/Kg	5	✱		8290A	Total/NA
Total HxCDF	0.00052		0.000029	0.0000021	mg/Kg	5	✱		8290A	Total/NA
Total HpCDD	0.0029	B	0.000029	0.000014	mg/Kg	5	✱		8290A	Total/NA
Total HpCDF	0.0021	B	0.000029	0.0000094	mg/Kg	5	✱		8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	130		57	29	mg/Kg	50	✱		8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	4100		290	220	mg/Kg	50	✱		8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-03-5

Lab Sample ID: 320-19659-9

No Detections.

Client Sample ID: OM-SS-05-2

Lab Sample ID: 320-19659-10

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.00000016	J q	0.0000013	0.0000000	mg/Kg	1	✱		8290A	Total/NA
2,3,7,8-TCDF	0.00000011	J q	0.0000013	0.0000000	mg/Kg	1	✱		8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000012	J	0.0000063	0.0000000	mg/Kg	1	✱		8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000045	J	0.0000063	0.0000000	mg/Kg	1	✱		8290A	Total/NA
2,3,4,7,8-PeCDF	0.00000037	J	0.0000063	0.0000000	mg/Kg	1	✱		8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.0000025	J	0.0000063	0.0000003	mg/Kg	1	✱		8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000035		0.0000063	0.0000003	mg/Kg	1	✱		8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.0000091		0.0000063	0.0000002	mg/Kg	1	✱		8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.0000032	J	0.0000063	0.0000004	mg/Kg	1	✱		8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000027	J	0.0000063	0.0000003	mg/Kg	1	✱		8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000028	J	0.0000063	0.0000004	mg/Kg	1	✱		8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-05-2 (Continued)

Lab Sample ID: 320-19659-10

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	0.00043	B	0.0000063	0.0000029	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00036	B	0.0000063	0.0000023	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.0000040	J	0.0000063	0.0000030	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.0053	E B	0.000013	0.0000031	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00019	B	0.000013	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.0000044	q	0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.00000091	J q	0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000012	q	0.0000063	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.0000091	q	0.0000063	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00017		0.0000063	0.0000003	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00015		0.0000063	0.0000004	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.00080	B	0.0000063	0.0000029	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.00067	B	0.0000063	0.0000027	mg/Kg	1		✱	8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	9.7		1.3	0.63	mg/Kg	1		✱	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	65		6.3	4.8	mg/Kg	1		✱	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-05-5

Lab Sample ID: 320-19659-11

No Detections.

Client Sample ID: OM-SS-07-2

Lab Sample ID: 320-19659-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.00000084	J	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.00000055	J	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000037	J	0.0000068	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000094	J	0.0000068	0.0000003	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.00000095	J	0.0000068	0.0000003	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.0000066	J	0.0000068	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000078		0.0000068	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000021		0.0000068	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.0000071		0.0000068	0.0000009	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000067	J	0.0000068	0.0000008	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000068		0.0000068	0.0000009	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-07-2 (Continued)

Lab Sample ID: 320-19659-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD	0.0010	B G	0.0000082	0.0000082	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00061	B	0.0000068	0.0000048	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.0000088		0.0000068	0.0000062	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.011	E B	0.000014	0.0000066	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00038	B	0.000014	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.000022	q	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.0000050	q	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000029		0.0000068	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000025	q	0.0000068	0.0000003	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00039	q	0.0000068	0.0000004	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00032	q	0.0000068	0.0000009	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0019	B G	0.0000082	0.0000082	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0012	B	0.0000068	0.0000055	mg/Kg	1		✱	8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	54		1.4	0.69	mg/Kg	1		✱	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	130		6.9	5.2	mg/Kg	1		✱	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-07-5

Lab Sample ID: 320-19659-13

No Detections.

Client Sample ID: OM-SS-04-2

Lab Sample ID: 320-19659-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000016	J	0.0000020	0.0000001	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.0000015	J	0.0000020	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000072	J	0.0000098	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000040	J	0.0000098	0.0000012	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000035	J	0.0000098	0.0000012	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000018		0.0000098	0.0000011	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00013		0.0000098	0.0000011	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000038		0.0000098	0.0000009	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000029		0.0000098	0.0000033	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000030		0.0000098	0.0000030	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000028		0.0000098	0.0000032	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0024	B G	0.000013	0.000013	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0026	B G	0.000016	0.000016	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000038	G	0.000021	0.000021	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.022	E B	0.000020	0.000014	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.0019	B	0.000020	0.0000011	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-04-2 (Continued)

Lab Sample ID: 320-19659-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
Total TCDD	0.000042	q	0.0000020	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.000019	q	0.0000020	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.000065	q	0.0000098	0.0000004	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.00013		0.0000098	0.0000012	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.00073		0.0000098	0.0000010	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.0013		0.0000098	0.0000032	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0045	B G	0.000013	0.000013	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.0050	B G	0.000018	0.000018	mg/Kg	1	☼	8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	160		10	5.0	mg/Kg	5	☼	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	730		50	38	mg/Kg	5	☼	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-04-5

Lab Sample ID: 320-19659-15

No Detections.

Client Sample ID: OM-SS-15-2

Lab Sample ID: 320-19659-16

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000014	J	0.0000017	0.0000000	mg/Kg	1	☼	8290A	Total/NA
2,3,7,8-TCDF	0.00000090	J	0.0000017	0.0000000	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000063	J	0.0000085	0.0000001	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000019	J	0.0000085	0.0000004	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000018	J	0.0000085	0.0000004	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.0000095		0.0000085	0.0000006	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000087		0.0000085	0.0000006	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000031		0.0000085	0.0000005	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000014		0.0000085	0.0000016	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000017		0.0000085	0.0000014	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000013		0.0000085	0.0000015	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0011	B	0.0000085	0.0000059	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.0000085	0.0000055	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000016		0.0000085	0.0000070	mg/Kg	1	☼	8290A	Total/NA
OCDD	0.0088	E B	0.000017	0.0000055	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.00084	B	0.000017	0.0000004	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.000022	q	0.0000017	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.0000070	q	0.0000017	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.000051		0.0000085	0.0000001	mg/Kg	1	☼	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-15-2 (Continued)

Lab Sample ID: 320-19659-16

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
Total PeCDF	0.000060	q	0.0000085	0.0000004	mg/Kg	1	✱	8290A	Total/NA
Total HxCDD	0.00048		0.0000085	0.0000006	mg/Kg	1	✱	8290A	Total/NA
Total HxCDF	0.00072		0.0000085	0.0000015	mg/Kg	1	✱	8290A	Total/NA
Total HpCDD	0.0020	B	0.0000085	0.0000059	mg/Kg	1	✱	8290A	Total/NA
Total HpCDF	0.0023	B	0.0000085	0.0000063	mg/Kg	1	✱	8290A	Total/NA

Client Sample ID: OM-SS-14-2

Lab Sample ID: 320-19659-19

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000018		0.0000013	0.0000001	mg/Kg	1	✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000078		0.0000067	0.0000008	mg/Kg	1	✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000023	J	0.0000067	0.0000005	mg/Kg	1	✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000023	J	0.0000067	0.0000005	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000015		0.0000067	0.0000010	mg/Kg	1	✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00011		0.0000067	0.0000009	mg/Kg	1	✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000036		0.0000067	0.0000008	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000014		0.0000067	0.0000024	mg/Kg	1	✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000095		0.0000067	0.0000022	mg/Kg	1	✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000079		0.0000067	0.0000024	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0014	B	0.0000067	0.0000062	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0011	G B	0.0000068	0.0000068	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000025	G	0.0000087	0.0000087	mg/Kg	1	✱	8290A	Total/NA
OCDD	0.014	E B	0.000013	0.0000080	mg/Kg	1	✱	8290A	Total/NA
OCDF	0.00076	B	0.000013	0.0000004	mg/Kg	1	✱	8290A	Total/NA
Total TCDD	0.000032	q	0.0000013	0.0000001	mg/Kg	1	✱	8290A	Total/NA
Total TCDF	0.000010	q	0.0000013	0.0000001	mg/Kg	1	✱	8290A	Total/NA
Total PeCDD	0.000057	q	0.0000067	0.0000008	mg/Kg	1	✱	8290A	Total/NA
Total PeCDF	0.000063		0.0000067	0.0000005	mg/Kg	1	✱	8290A	Total/NA
Total HxCDD	0.00075		0.0000067	0.0000009	mg/Kg	1	✱	8290A	Total/NA
Total HxCDF	0.00065		0.0000067	0.0000024	mg/Kg	1	✱	8290A	Total/NA
Total HpCDD	0.0028	B	0.0000067	0.0000062	mg/Kg	1	✱	8290A	Total/NA
Total HpCDF	0.0026	G B	0.0000078	0.0000078	mg/Kg	1	✱	8290A	Total/NA
2,3,7,8-TCDF - RA	0.00000065	J	0.0000013	0.0000004	mg/Kg	1	✱	8290A	Total/NA

Client Sample ID: OM-SS-13-2

Lab Sample ID: 320-19659-20

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.00000096	J	0.0000013	0.0000001	mg/Kg	1	✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-13-2 (Continued)

Lab Sample ID: 320-19659-20

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.0000013	J	0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000055	J	0.0000065	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000032	J	0.0000065	0.0000004	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000025	J q	0.0000065	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000011		0.0000065	0.0000005	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00010		0.0000065	0.0000005	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000028		0.0000065	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000018		0.0000065	0.0000016	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000017		0.0000065	0.0000014	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000014		0.0000065	0.0000015	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0014	B	0.0000065	0.0000053	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0014	B G	0.0000091	0.0000091	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000026	G	0.000012	0.000012	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.016	E B	0.000013	0.0000075	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00065	B	0.000013	0.0000003	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.000029	q	0.0000013	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.000012	q	0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000046	q	0.0000065	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000074	q	0.0000065	0.0000004	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00060		0.0000065	0.0000005	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00076	q	0.0000065	0.0000015	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0026	B	0.0000065	0.0000053	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0030	B G	0.000010	0.000010	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-16

Lab Sample ID: 320-19659-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	490		34	17	mg/Kg	10		✱	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	1500	B	170	130	mg/Kg	10		✱	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-19

Lab Sample ID: 320-19659-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	450		16	7.8	mg/Kg	5		✱	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	1600		78	59	mg/Kg	5		✱	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-17

Lab Sample ID: 320-19659-24

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-17 (Continued)

Lab Sample ID: 320-19659-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	270		8.0	4.0	mg/Kg	5	☼	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	1200		40	30	mg/Kg	5	☼	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-11-2

Lab Sample ID: 320-19659-25

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000029		0.0000012	0.0000000	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000013		0.0000061	0.0000005	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000035	J	0.0000061	0.0000007	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000034	J	0.0000061	0.0000007	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000018		0.0000061	0.0000010	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00017		0.0000061	0.0000010	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000073		0.0000061	0.0000008	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000024		0.0000061	0.0000016	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000025		0.0000061	0.0000015	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000019		0.0000061	0.0000016	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0020	B G	0.0000062	0.0000062	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0024	B G	0.0000062	0.0000062	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000026	G	0.0000079	0.0000079	mg/Kg	1	☼	8290A	Total/NA
OCDD	0.018	E B	0.000012	0.0000088	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.0012	B	0.000012	0.0000005	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.000052	q	0.0000012	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.000013	q	0.0000012	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00015		0.0000061	0.0000005	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.000094		0.0000061	0.0000007	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0011		0.0000061	0.0000009	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.0012		0.0000061	0.0000016	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0037	B G	0.0000062	0.0000062	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.0043	B G	0.0000070	0.0000070	mg/Kg	1	☼	8290A	Total/NA
2,3,7,8-TCDF - RA	0.00000089	J	0.0000012	0.0000003	mg/Kg	1	☼	8290A	Total/NA

Client Sample ID: OM-SS-10-2

Lab Sample ID: 320-19659-27

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000054		0.0000012	0.0000002	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000026		0.0000061	0.0000004	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000025	J q	0.0000061	0.0000007	mg/Kg	1	☼	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-10-2 (Continued)

Lab Sample ID: 320-19659-27

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,4,7,8-PeCDF	0.0000028	J	0.0000061	0.0000007	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000044		0.0000061	0.0000009	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00024		0.0000061	0.0000008	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00011		0.0000061	0.0000007	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000022		0.0000061	0.0000023	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000018		0.0000061	0.0000021	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000016		0.0000061	0.0000022	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0032	E B G	0.000010	0.000010	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0022	B G	0.0000067	0.0000067	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000027	G	0.0000086	0.0000086	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.0012	B	0.000012	0.0000005	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.00011		0.0000012	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.000012		0.0000012	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.00023		0.0000061	0.0000004	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000075	q	0.0000061	0.0000007	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.0017		0.0000061	0.0000008	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.0011	q	0.0000061	0.0000022	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0058	B G	0.000010	0.000010	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0041	B G	0.0000077	0.0000077	mg/Kg	1		✱	8290A	Total/NA
OCDD - DL	0.029	B	0.00024	0.000026	mg/Kg	20		✱	8290A	Total/NA
2,3,7,8-TCDF - RA	0.0000066	J	0.0000012	0.0000002	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-20

Lab Sample ID: 320-19659-29

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000067		0.0000017	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000052		0.0000086	0.0000037	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.000012		0.0000086	0.0000014	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.000014		0.0000086	0.0000014	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.00011		0.0000086	0.0000038	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00063		0.0000086	0.0000037	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00030		0.0000086	0.0000032	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.00013	G	0.000018	0.000018	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.00014	G	0.000017	0.000017	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.00015	G	0.000018	0.000018	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0042	E B G	0.000019	0.000019	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.019	E B G	0.000059	0.000059	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000079	G	0.000075	0.000075	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.014	E B	0.000017	0.0000071	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.0068	B	0.000017	0.0000029	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.00014		0.0000017	0.0000001	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-20 (Continued)

Lab Sample ID: 320-19659-29

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	0.000052		0.0000017	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00060		0.0000086	0.0000037	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.00057		0.0000086	0.0000014	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0042		0.0000086	0.0000036	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.0074	G	0.000018	0.000018	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0072	B G	0.000019	0.000019	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.030	B G	0.000067	0.000067	mg/Kg	1	☼	8290A	Total/NA
2,3,7,8-TCDF - RA	0.0000015	J	0.0000017	0.0000008	mg/Kg	1	☼	8290A	Total/NA

Client Sample ID: OM-SS-09-2

Lab Sample ID: 320-19659-30

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000021		0.0000011	0.0000003	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000012		0.0000057	0.0000003	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000045	J	0.0000057	0.0000007	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000035	J	0.0000057	0.0000007	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000025		0.0000057	0.0000010	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00023		0.0000057	0.0000010	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000073		0.0000057	0.0000008	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000024		0.0000057	0.0000027	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000019		0.0000057	0.0000025	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000016		0.0000057	0.0000026	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0018	G B	0.0000089	0.0000089	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000027	G	0.000011	0.000011	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.0010	B	0.000011	0.0000004	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.000087		0.0000011	0.0000003	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.000014	q	0.0000011	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00013		0.0000057	0.0000003	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.000086		0.0000057	0.0000007	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0013		0.0000057	0.0000009	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.00099	q	0.0000057	0.0000026	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.0035	G B	0.000010	0.000010	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD - DL	0.0038	B	0.000057	0.000038	mg/Kg	10	☼	8290A	Total/NA
OCDD - DL	0.033	B	0.00011	0.000021	mg/Kg	10	☼	8290A	Total/NA
Total HpCDD - DL	0.0071	B	0.000057	0.000038	mg/Kg	10	☼	8290A	Total/NA
2,3,7,8-TCDF - RA	0.00000086	J	0.0000011	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	74		5.8	2.9	mg/Kg	5	☼	8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-09-2 (Continued)

Lab Sample ID: 320-19659-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Motor Oil Range Organics (C24-C40)	520		29	22	mg/Kg	5	☼	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-09-5

Lab Sample ID: 320-19659-31

No Detections.

Client Sample ID: OM-SS-08-2

Lab Sample ID: 320-19659-32

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000037		0.0000013	0.0000002	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000019		0.0000064	0.0000004	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000084		0.0000064	0.0000006	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000074		0.0000064	0.0000006	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000030		0.0000064	0.0000011	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00027		0.0000064	0.0000011	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00010		0.0000064	0.0000009	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000038		0.0000064	0.0000036	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000029		0.0000064	0.0000033	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000025		0.0000064	0.0000035	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000033	G	0.000015	0.000015	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.0015	B	0.000013	0.0000008	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.000097	q	0.0000013	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.000015		0.0000013	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00020		0.0000064	0.0000004	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.00013	q	0.0000064	0.0000006	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0016		0.0000064	0.0000010	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.0017		0.0000064	0.0000035	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD - DL	0.0046	B	0.000064	0.000039	mg/Kg	10	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF - DL	0.0037	B	0.000064	0.000020	mg/Kg	10	☼	8290A	Total/NA
OCDD - DL	0.043	B	0.00013	0.000023	mg/Kg	10	☼	8290A	Total/NA
Total HpCDD - DL	0.0093	B	0.000064	0.000039	mg/Kg	10	☼	8290A	Total/NA
Total HpCDF - DL	0.0066	B	0.000064	0.000022	mg/Kg	10	☼	8290A	Total/NA
2,3,7,8-TCDF - RA	0.0000016		0.0000013	0.0000003	mg/Kg	1	☼	8290A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	130		13	6.5	mg/Kg	10	☼	8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	460		65	49	mg/Kg	10	☼	8015B	Silica Gel Cleanup

Client Sample ID: OM-SS-08-5

Lab Sample ID: 320-19659-33

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-12-2

Lab Sample ID: 320-19659-34

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000013		0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.00000036	J	0.0000013	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.00000056	J	0.00000066	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000010	J	0.00000066	0.0000002	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.00000082	J	0.00000066	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.00000071		0.00000066	0.0000007	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00000051		0.00000066	0.0000006	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00000026		0.00000066	0.0000005	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.00000070		0.00000066	0.0000012	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.00000064	J	0.00000066	0.0000011	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.00000061	J	0.00000066	0.0000011	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.000069	B	0.00000066	0.0000038	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.00000066	0.0000044	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.00000065	J	0.00000066	0.0000056	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.0064	E B	0.0000013	0.0000042	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00045	B	0.0000013	0.0000003	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.000022	q	0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.0000040	q	0.0000013	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000063		0.00000066	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000026		0.00000066	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00043		0.00000066	0.0000006	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00038		0.00000066	0.0000011	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0014	B	0.00000066	0.0000038	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0018	B	0.00000066	0.0000050	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-21

Lab Sample ID: 320-19659-36

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000014		0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.00000051	J	0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.00000062	J	0.00000065	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000012	J	0.00000065	0.0000002	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.00000088	J	0.00000065	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.00000074		0.00000065	0.0000007	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000060		0.00000065	0.0000006	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-21 (Continued)

Lab Sample ID: 320-19659-36

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8,9-HxCDD	0.000030		0.0000065	0.0000006	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.0000079		0.0000065	0.0000009	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000075		0.0000065	0.0000009	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000068		0.0000065	0.0000009	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.00074	B	0.0000065	0.0000040	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.0000065	0.0000045	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.0000065		0.0000065	0.0000057	mg/Kg	1	☼	8290A	Total/NA
OCDD	0.0065	E B	0.000013	0.0000044	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.00045	B	0.000013	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.000025		0.0000013	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.0000031	q	0.0000013	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.000068		0.0000065	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.000030		0.0000065	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.00047		0.0000065	0.0000006	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.00044		0.0000065	0.0000009	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0015	B	0.0000065	0.0000040	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.0018	B	0.0000065	0.0000051	mg/Kg	1	☼	8290A	Total/NA

Client Sample ID: OM-W

Lab Sample ID: 320-19659-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C12-C24]	48	J B	52	17	ug/L	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics (C24-C40)	280	J B	520	170	ug/L	1		8015B	Silica Gel Cleanup

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-01-2

Date Collected: 06/16/16 08:07

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-1

Matrix: Solid

Percent Solids: 84.9

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	100		12	5.9	mg/Kg	☼	06/30/16 11:58	07/06/16 13:48	10
Motor Oil Range Organics (C24-C40)	570	B	59	44	mg/Kg	☼	06/30/16 11:58	07/06/16 13:48	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	110		63 - 141				06/30/16 11:58	07/06/16 13:48	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000064	J	0.0000012	0.0000000	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
2,3,7,8-TCDF	0.00000037	J	0.0000012	0.0000000	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,7,8-PeCDD	0.00000045	J	0.0000059	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,7,8-PeCDF	0.00000083	J q	0.0000059	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
2,3,4,7,8-PeCDF	0.0000010	J	0.0000059	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,7,8-HxCDD	0.0000085		0.0000059	0.0000006	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,6,7,8-HxCDD	0.000082		0.0000059	0.0000006	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,7,8,9-HxCDD	0.000025		0.0000059	0.0000005	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,7,8-HxCDF	0.0000089		0.0000059	0.0000018	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,6,7,8-HxCDF	0.0000071		0.0000059	0.0000016	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,7,8,9-HxCDF	ND		0.0000059	0.0000018	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
2,3,4,6,7,8-HxCDF	0.0000063		0.0000059	0.0000017	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,6,7,8-HpCDD	0.0016	G B	0.000011	0.000011	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,6,7,8-HpCDF	0.00095	B	0.0000059	0.0000058	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
1,2,3,4,7,8,9-HpCDF	0.000014	G	0.0000074	0.0000074	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
OCDF	0.00088	B	0.000012	0.0000005	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Total TCDD	0.000024	q	0.0000012	0.0000000	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Total TCDF	0.0000028	q	0.0000012	0.0000000	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Total PeCDD	0.000065		0.0000059	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Total PeCDF	0.000028	q	0.0000059	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Total HxCDD	0.00041	q	0.0000059	0.0000005	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Total HxCDF	0.00043		0.0000059	0.0000017	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Total HpCDD	0.0030	G B	0.000011	0.000011	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Total HpCDF	0.0020	G B	0.0000066	0.0000066	mg/Kg	☼	07/12/16 13:07	07/17/16 18:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135				07/12/16 13:07	07/17/16 18:23	1
13C-2,3,7,8-TCDF	83		40 - 135				07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,7,8-PeCDD	91		40 - 135				07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,7,8-PeCDF	85		40 - 135				07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,6,7,8-HxCDD	92		40 - 135				07/12/16 13:07	07/17/16 18:23	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-01-2

Date Collected: 06/16/16 08:07

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-1

Matrix: Solid

Percent Solids: 84.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,7,8-HxCDF	88		40 - 135	07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,4,6,7,8-HpCDD	97		40 - 135	07/12/16 13:07	07/17/16 18:23	1
13C-1,2,3,4,6,7,8-HpCDF	87		40 - 135	07/12/16 13:07	07/17/16 18:23	1
13C-OCDD	93		40 - 135	07/12/16 13:07	07/17/16 18:23	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.11	B	0.00059	0.000094	mg/Kg	☼	07/12/16 13:07	07/20/16 18:24	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-OCDD	97		40 - 135				07/12/16 13:07	07/20/16 18:24	50

Client Sample ID: OM-SS-02-2

Date Collected: 06/16/16 08:53

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-3

Matrix: Solid

Percent Solids: 82.5

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	56		24	12	mg/Kg	☼	06/24/16 13:15	06/29/16 00:41	20
Motor Oil Range Organics (C24-C40)	720		120	90	mg/Kg	☼	06/24/16 13:15	06/29/16 00:41	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	78		63 - 141	06/24/16 13:15	06/29/16 00:41	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000054		0.0000012	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
2,3,7,8-TCDF	0.00000090	J	0.0000012	0.0000000	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,7,8-PeCDD	0.000036		0.0000061	0.0000019	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,7,8-PeCDF	0.0000031	J	0.0000061	0.0000006	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
2,3,4,7,8-PeCDF	0.0000027	J	0.0000061	0.0000006	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,7,8-HxCDD	0.000052		0.0000061	0.0000019	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,6,7,8-HxCDD	0.000033		0.0000061	0.0000019	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,7,8,9-HxCDD	0.000017		0.0000061	0.0000016	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,7,8-HxCDF	0.000027		0.0000061	0.0000052	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,6,7,8-HxCDF	0.000016		0.0000061	0.0000048	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,7,8,9-HxCDF	ND		0.0000061	0.0000054	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
2,3,4,6,7,8-HxCDF	0.000014		0.0000061	0.0000051	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,6,7,8-HpCDD	0.0041	E B G	0.000021	0.000021	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,6,7,8-HpCDF	0.0027	E B G	0.000017	0.000017	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
1,2,3,4,7,8,9-HpCDF	0.000038	G	0.000022	0.000022	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
OCDD	0.026	E B G	0.000018	0.000018	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
OCDF	0.0014	B	0.000012	0.0000007	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
Total TCDD	0.00010		0.0000012	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
Total TCDF	0.0000050	q	0.0000012	0.0000000	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-02-2

Date Collected: 06/16/16 08:53

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-3

Matrix: Solid

Percent Solids: 82.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total PeCDD	0.00036	q	0.0000061	0.0000019	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
Total PeCDF	0.000056		0.0000061	0.0000006	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
				5					
Total HxCDD	0.0024		0.0000061	0.0000018	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
Total HxCDF	0.0013		0.0000061	0.0000051	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
Total HpCDD	0.0076	B G	0.000021	0.000021	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
Total HpCDF	0.0054	B G	0.000019	0.000019	mg/Kg	☼	07/12/16 13:07	07/17/16 19:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-2,3,7,8-TCDF	78		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,7,8-PeCDD	85		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,7,8-PeCDF	80		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,6,7,8-HxCDD	97		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,4,7,8-HxCDF	99		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,4,6,7,8-HpCDD	87		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-1,2,3,4,6,7,8-HpCDF	74		40 - 135				07/12/16 13:07	07/17/16 19:09	1
13C-OCDD	84		40 - 135				07/12/16 13:07	07/17/16 19:09	1

Client Sample ID: OM-SS-18

Date Collected: 06/16/16 09:00

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-5

Matrix: Solid

Percent Solids: 82.6

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	100		12	6.1	mg/Kg	☼	06/24/16 13:15	06/29/16 01:10	10
Motor Oil Range Organics (C24-C40)	1300		61	46	mg/Kg	☼	06/24/16 13:15	06/29/16 01:10	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	84		63 - 141				06/24/16 13:15	06/29/16 01:10	10

Client Sample ID: OM-SS-06-2

Date Collected: 06/16/16 09:11

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-6

Matrix: Solid

Percent Solids: 91.9

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	22		1.1	0.56	mg/Kg	☼	06/30/16 11:58	07/07/16 01:35	1
Motor Oil Range Organics (C24-C40)	120	B	5.6	4.2	mg/Kg	☼	06/30/16 11:58	07/07/16 01:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	98		63 - 141				06/30/16 11:58	07/07/16 01:35	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000011	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
				9					
2,3,7,8-TCDF	0.00000066	J	0.0000011	0.0000000	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
				97					
1,2,3,7,8-PeCDD	0.0000022	J	0.0000054	0.0000002	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
				8					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-06-2

Date Collected: 06/16/16 09:11

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-6

Matrix: Solid

Percent Solids: 91.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDF	0.00000090	J	0.0000054	0.0000004	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
2,3,4,7,8-PeCDF	0.0000013	J	0.0000054	0.0000004	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,7,8-HxCDD	0.000010		0.0000054	0.0000005	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,6,7,8-HxCDD	0.000089		0.0000054	0.0000005	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,7,8,9-HxCDD	0.000015		0.0000054	0.0000004	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,7,8-HxCDF	0.0000092		0.0000054	0.0000010	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,6,7,8-HxCDF	0.0000084		0.0000054	0.0000009	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,7,8,9-HxCDF	ND		0.0000054	0.0000011	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
2,3,4,6,7,8-HxCDF	0.0000070		0.0000054	0.0000010	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,6,7,8-HpCDD	0.0012	B G	0.0000064	0.0000064	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,6,7,8-HpCDF	0.00060	B	0.0000054	0.0000031	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
1,2,3,4,7,8,9-HpCDF	0.0000091		0.0000054	0.0000039	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
OCDD	0.011	E B	0.000011	0.0000094	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
OCDF	0.00030	B	0.000011	0.0000002	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Total TCDD	0.00014		0.0000011	0.0000001	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Total TCDF	0.000013	q	0.0000011	0.0000000	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Total PeCDD	0.000026	q	0.0000054	0.0000002	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Total PeCDF	0.000035		0.0000054	0.0000004	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Total HxCDD	0.00039	q	0.0000054	0.0000005	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Total HxCDF	0.00032		0.0000054	0.0000010	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Total HpCDD	0.0020	B G	0.0000064	0.0000064	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Total HpCDF	0.0011	B	0.0000054	0.0000035	mg/Kg	☼	07/12/16 13:07	07/17/16 19:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	83		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-2,3,7,8-TCDF	79		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,7,8-PeCDD	86		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,7,8-PeCDF	80		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,6,7,8-HxCDD	91		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,4,7,8-HxCDF	91		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,4,6,7,8-HpCDD	94		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135				07/12/16 13:07	07/17/16 19:55	1
13C-OCDD	96		40 - 135				07/12/16 13:07	07/17/16 19:55	1

Client Sample ID: OM-SS-03-2

Date Collected: 06/16/16 09:25

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-8

Matrix: Solid

Percent Solids: 85.1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	130		57	29	mg/Kg	☼	06/24/16 13:15	06/29/16 01:39	50

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-03-2

Lab Sample ID: 320-19659-8

Date Collected: 06/16/16 09:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 85.1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics (C24-C40)	4100		290	220	mg/Kg	☼	06/24/16 13:15	06/29/16 01:39	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	79		63 - 141				06/24/16 13:15	06/29/16 01:39	50

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000058	0.0000004	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
2,3,7,8-TCDF	0.0000079	J	0.0000058	0.0000003	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,7,8-PeCDD	0.0000048	J	0.000029	0.0000007	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,7,8-PeCDF	ND		0.000029	0.0000006	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
2,3,4,7,8-PeCDF	0.0000018	J	0.000029	0.0000006	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,7,8-HxCDD	0.000010	J	0.000029	0.0000014	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,6,7,8-HxCDD	0.00011		0.000029	0.0000014	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,7,8,9-HxCDD	0.000027	J	0.000029	0.0000012	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,7,8-HxCDF	0.000014	J	0.000029	0.0000021	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,6,7,8-HxCDF	0.000013	J	0.000029	0.0000019	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,7,8,9-HxCDF	ND		0.000029	0.0000022	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
2,3,4,6,7,8-HxCDF	0.000011	J	0.000029	0.0000021	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,6,7,8-HpCDD	0.0015	B	0.000029	0.0000014	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,6,7,8-HpCDF	0.0012	B	0.000029	0.0000082	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
1,2,3,4,7,8,9-HpCDF	ND		0.000029	0.0000011	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
OCDD	0.013	B	0.000058	0.0000010	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
OCDF	0.00055	B	0.000058	0.0000008	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Total TCDD	0.000051	q	0.0000058	0.0000004	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Total TCDF	0.0000097	q	0.0000058	0.0000003	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Total PeCDD	0.000047		0.000029	0.0000007	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Total PeCDF	0.000049		0.000029	0.0000006	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Total HxCDD	0.00061		0.000029	0.0000013	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Total HxCDF	0.00052		0.000029	0.0000021	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Total HpCDD	0.0029	B	0.000029	0.0000014	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Total HpCDF	0.0021	B	0.000029	0.0000094	mg/Kg	☼	07/12/16 13:07	07/20/16 16:51	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-2,3,7,8-TCDF	79		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,7,8-PeCDD	87		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,7,8-PeCDF	82		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,6,7,8-HxCDD	92		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,4,7,8-HxCDF	83		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,4,6,7,8-HpCDD	88		40 - 135				07/12/16 13:07	07/20/16 16:51	5
13C-1,2,3,4,6,7,8-HpCDF	78		40 - 135				07/12/16 13:07	07/20/16 16:51	5

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-03-2

Date Collected: 06/16/16 09:25

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-8

Matrix: Solid

Percent Solids: 85.1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-OCDD	87		40 - 135	07/12/16 13:07	07/20/16 16:51	5

Client Sample ID: OM-SS-05-2

Date Collected: 06/16/16 09:47

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-10

Matrix: Solid

Percent Solids: 79.4

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	9.7		1.3	0.63	mg/Kg	☼	06/24/16 13:15	06/29/16 02:32	1
Motor Oil Range Organics (C24-C40)	65		6.3	4.8	mg/Kg	☼	06/24/16 13:15	06/29/16 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	92		63 - 141				06/24/16 13:15	06/29/16 02:32	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000016	J q	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				35					
2,3,7,8-TCDF	0.00000011	J q	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				20					
1,2,3,7,8-PeCDD	0.00000012	J	0.0000063	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				73					
1,2,3,7,8-PeCDF	0.00000045	J	0.0000063	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				87					
2,3,4,7,8-PeCDF	0.00000037	J	0.0000063	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				88					
1,2,3,4,7,8-HxCDD	0.00000025	J	0.0000063	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				4					
1,2,3,6,7,8-HxCDD	0.0000035		0.0000063	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				3					
1,2,3,7,8,9-HxCDD	0.00000091		0.0000063	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				8					
1,2,3,4,7,8-HxCDF	0.00000032	J	0.0000063	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				2					
1,2,3,6,7,8-HxCDF	0.00000027	J	0.0000063	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				8					
1,2,3,7,8,9-HxCDF	ND		0.0000063	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				3					
2,3,4,6,7,8-HxCDF	0.00000028	J	0.0000063	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				1					
1,2,3,4,6,7,8-HpCDD	0.00043	B	0.0000063	0.0000029	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
1,2,3,4,6,7,8-HpCDF	0.00036	B	0.0000063	0.0000023	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
1,2,3,4,7,8,9-HpCDF	0.0000040	J	0.0000063	0.0000030	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
OCDD	0.0053	E B	0.000013	0.0000031	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
OCDF	0.00019	B	0.000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				3					
Total TCDD	0.0000044	q	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				35					
Total TCDF	0.00000091	J q	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				20					
Total PeCDD	0.000012	q	0.0000063	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				73					
Total PeCDF	0.0000091	q	0.0000063	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				87					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-05-2

Date Collected: 06/16/16 09:47

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-10

Matrix: Solid

Percent Solids: 79.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.00017		0.0000063	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				2					
Total HxCDF	0.00015		0.0000063	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
				1					
Total HpCDD	0.00080	B	0.0000063	0.0000029	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
Total HpCDF	0.00067	B	0.0000063	0.0000027	mg/Kg	☼	07/12/16 13:07	07/18/16 01:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	87		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-2,3,7,8-TCDF	87		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,7,8-PeCDD	90		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,7,8-PeCDF	87		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,6,7,8-HxCDD	90		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,4,7,8-HxCDF	90		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,4,6,7,8-HpCDD	105		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-1,2,3,4,6,7,8-HpCDF	97		40 - 135				07/12/16 13:07	07/18/16 01:02	1
13C-OCDD	109		40 - 135				07/12/16 13:07	07/18/16 01:02	1

Client Sample ID: OM-SS-07-2

Date Collected: 06/16/16 10:04

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-12

Matrix: Solid

Percent Solids: 74.0

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	54		1.4	0.69	mg/Kg	☼	06/24/16 13:15	06/29/16 03:01	1
Motor Oil Range Organics (C24-C40)	130		6.9	5.2	mg/Kg	☼	06/24/16 13:15	06/29/16 03:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	93		63 - 141				06/24/16 13:15	06/29/16 03:01	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000084	J	0.0000014	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				90					
2,3,7,8-TCDF	0.00000055	J	0.0000014	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				48					
1,2,3,7,8-PeCDD	0.00000037	J	0.0000068	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				7					
1,2,3,7,8-PeCDF	0.00000094	J	0.0000068	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				5					
2,3,4,7,8-PeCDF	0.00000095	J	0.0000068	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				6					
1,2,3,4,7,8-HxCDD	0.00000066	J	0.0000068	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				9					
1,2,3,6,7,8-HxCDD	0.000078		0.0000068	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				8					
1,2,3,7,8,9-HxCDD	0.000021		0.0000068	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				2					
1,2,3,4,7,8-HxCDF	0.0000071		0.0000068	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				3					
1,2,3,6,7,8-HxCDF	0.0000067	J	0.0000068	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				5					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-07-2

Date Collected: 06/16/16 10:04

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-12

Matrix: Solid

Percent Solids: 74.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8,9-HxCDF	ND		0.0000068	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				5					
2,3,4,6,7,8-HxCDF	0.0000068		0.0000068	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				1					
1,2,3,4,6,7,8-HpCDD	0.0010	B G	0.0000082	0.0000082	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
1,2,3,4,6,7,8-HpCDF	0.00061	B	0.0000068	0.0000048	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
1,2,3,4,7,8,9-HpCDF	0.0000088		0.0000068	0.0000062	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
OCDD	0.011	E B	0.000014	0.0000066	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
OCDF	0.00038	B	0.000014	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				9					
Total TCDD	0.000022	q	0.0000014	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				90					
Total TCDF	0.0000050	q	0.0000014	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				48					
Total PeCDD	0.000029		0.0000068	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				7					
Total PeCDF	0.000025	q	0.0000068	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				5					
Total HxCDD	0.00039	q	0.0000068	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				6					
Total HxCDF	0.00032	q	0.0000068	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
				1					
Total HpCDD	0.0019	B G	0.0000082	0.0000082	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
Total HpCDF	0.0012	B	0.0000068	0.0000055	mg/Kg	☼	07/12/16 13:07	07/18/16 01:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	80		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-2,3,7,8-TCDF	77		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,7,8-PeCDD	79		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,7,8-PeCDF	77		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,6,7,8-HxCDD	85		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,4,7,8-HxCDF	78		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,4,6,7,8-HpCDD	91		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135				07/12/16 13:07	07/18/16 01:49	1
13C-OCDD	91		40 - 135				07/12/16 13:07	07/18/16 01:49	1

Client Sample ID: OM-SS-04-2

Date Collected: 06/16/16 10:21

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-14

Matrix: Solid

Percent Solids: 50.6

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	160		10	5.0	mg/Kg	☼	06/24/16 13:15	07/01/16 10:24	5
Motor Oil Range Organics (C24-C40)	730		50	38	mg/Kg	☼	06/24/16 13:15	07/01/16 10:24	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	111		63 - 141				06/24/16 13:15	07/01/16 10:24	5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000016	J	0.0000020	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
				8					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-04-2

Lab Sample ID: 320-19659-14

Date Collected: 06/16/16 10:21

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 50.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000015	J	0.0000020	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,7,8-PeCDD	0.0000072	J	0.0000098	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,7,8-PeCDF	0.0000040	J	0.0000098	0.0000012	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
2,3,4,7,8-PeCDF	0.0000035	J	0.0000098	0.0000012	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,7,8-HxCDD	0.000018		0.0000098	0.0000011	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,6,7,8-HxCDD	0.00013		0.0000098	0.0000011	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,7,8,9-HxCDD	0.000038		0.0000098	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,7,8-HxCDF	0.000029		0.0000098	0.0000033	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,6,7,8-HxCDF	0.000030		0.0000098	0.0000030	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,7,8,9-HxCDF	ND		0.0000098	0.0000033	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
2,3,4,6,7,8-HxCDF	0.000028		0.0000098	0.0000032	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,6,7,8-HpCDD	0.0024	B G	0.000013	0.000013	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,6,7,8-HpCDF	0.0026	B G	0.000016	0.000016	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
1,2,3,4,7,8,9-HpCDF	0.000038	G	0.000021	0.000021	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
OCDD	0.022	E B	0.000020	0.000014	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
OCDF	0.0019	B	0.000020	0.0000011	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Total TCDD	0.000042	q	0.0000020	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Total TCDF	0.000019	q	0.0000020	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Total PeCDD	0.000065	q	0.0000098	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Total PeCDF	0.00013		0.0000098	0.0000012	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Total HxCDD	0.00073		0.0000098	0.0000010	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Total HxCDF	0.0013		0.0000098	0.0000032	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Total HpCDD	0.0045	B G	0.000013	0.000013	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Total HpCDF	0.0050	B G	0.000018	0.000018	mg/Kg	☼	07/12/16 13:07	07/18/16 02:35	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	82		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-2,3,7,8-TCDF	80		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,7,8-PeCDD	84		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,7,8-PeCDF	81		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,6,7,8-HxCDD	87		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,4,7,8-HxCDF	86		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,4,6,7,8-HpCDD	92		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135				07/12/16 13:07	07/18/16 02:35	1
13C-OCDD	93		40 - 135				07/12/16 13:07	07/18/16 02:35	1

Client Sample ID: OM-SS-15-2

Lab Sample ID: 320-19659-16

Date Collected: 06/16/16 10:32

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000014	J	0.0000017	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
2,3,7,8-TCDF	0.00000090	J	0.0000017	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-15-2

Lab Sample ID: 320-19659-16

Date Collected: 06/16/16 10:32

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	0.0000063	J	0.0000085	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,7,8-PeCDF	0.0000019	J	0.0000085	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
2,3,4,7,8-PeCDF	0.0000018	J	0.0000085	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,4,7,8-HxCDD	0.0000095		0.0000085	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,6,7,8-HxCDD	0.000087		0.0000085	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,7,8,9-HxCDD	0.000031		0.0000085	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,4,7,8-HxCDF	0.000014		0.0000085	0.0000016	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,6,7,8-HxCDF	0.000017		0.0000085	0.0000014	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,7,8,9-HxCDF	ND		0.0000085	0.0000016	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
2,3,4,6,7,8-HxCDF	0.000013		0.0000085	0.0000015	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,4,6,7,8-HpCDD	0.0011	B	0.0000085	0.0000059	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.0000085	0.0000055	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
1,2,3,4,7,8,9-HpCDF	0.000016		0.0000085	0.0000070	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
OCDD	0.0088	E B	0.000017	0.0000055	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
OCDF	0.00084	B	0.000017	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Total TCDD	0.000022	q	0.0000017	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Total TCDF	0.0000070	q	0.0000017	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Total PeCDD	0.000051		0.0000085	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Total PeCDF	0.000060	q	0.0000085	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Total HxCDD	0.00048		0.0000085	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Total HxCDF	0.00072		0.0000085	0.0000015	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Total HpCDD	0.0020	B	0.0000085	0.0000059	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Total HpCDF	0.0023	B	0.0000085	0.0000063	mg/Kg	☼	07/12/16 13:07	07/18/16 03:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	84		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-2,3,7,8-TCDF	82		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,7,8-PeCDD	87		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,7,8-PeCDF	83		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,4,7,8-HxCDF	85		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,4,6,7,8-HpCDD	95		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-1,2,3,4,6,7,8-HpCDF	85		40 - 135				07/12/16 13:07	07/18/16 03:21	1
13C-OCDD	99		40 - 135				07/12/16 13:07	07/18/16 03:21	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-14-2

Lab Sample ID: 320-19659-19

Date Collected: 06/16/16 10:45

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 75.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000018		0.0000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,7,8-PeCDD	0.0000078		0.0000067	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,7,8-PeCDF	0.0000023	J	0.0000067	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
2,3,4,7,8-PeCDF	0.0000023	J	0.0000067	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,4,7,8-HxCDD	0.000015		0.0000067	0.0000010	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,6,7,8-HxCDD	0.00011		0.0000067	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,7,8,9-HxCDD	0.000036		0.0000067	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,4,7,8-HxCDF	0.000014		0.0000067	0.0000024	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,6,7,8-HxCDF	0.0000095		0.0000067	0.0000022	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,7,8,9-HxCDF	ND		0.0000067	0.0000025	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
2,3,4,6,7,8-HxCDF	0.0000079		0.0000067	0.0000024	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,4,6,7,8-HpCDD	0.0014	B	0.0000067	0.0000062	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,4,6,7,8-HpCDF	0.0011	G B	0.0000068	0.0000068	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
1,2,3,4,7,8,9-HpCDF	0.000025	G	0.0000087	0.0000087	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
OCDD	0.014	E B	0.000013	0.0000080	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
OCDF	0.00076	B	0.000013	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Total TCDD	0.000032	q	0.0000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Total TCDF	0.000010	q	0.0000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Total PeCDD	0.000057	q	0.0000067	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Total PeCDF	0.000063		0.0000067	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Total HxCDD	0.00075		0.0000067	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Total HxCDF	0.00065		0.0000067	0.0000024	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Total HpCDD	0.0028	B	0.0000067	0.0000062	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Total HpCDF	0.0026	G B	0.0000078	0.0000078	mg/Kg	☼	07/12/16 13:07	07/18/16 04:07	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	76		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-2,3,7,8-TCDF	77		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,7,8-PeCDD	85		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,7,8-PeCDF	77		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,6,7,8-HxCDD	95		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,4,7,8-HxCDF	118		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-1,2,3,4,6,7,8-HpCDF	64		40 - 135				07/12/16 13:07	07/18/16 04:07	1
13C-OCDD	86		40 - 135				07/12/16 13:07	07/18/16 04:07	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000065	J	0.0000013	0.0000004	mg/Kg	☼	07/12/16 13:07	07/19/16 16:28	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-14-2

Date Collected: 06/16/16 10:45

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-19

Matrix: Solid

Percent Solids: 75.0

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	85		40 - 135	07/12/16 13:07	07/19/16 16:28	1

Client Sample ID: OM-SS-13-2

Date Collected: 06/16/16 10:54

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-20

Matrix: Solid

Percent Solids: 76.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000096	J	0.0000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
2,3,7,8-TCDF	0.0000013	J	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,7,8-PeCDD	0.0000055	J	0.0000065	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,7,8-PeCDF	0.0000032	J	0.0000065	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
2,3,4,7,8-PeCDF	0.0000025	J q	0.0000065	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,4,7,8-HxCDD	0.000011		0.0000065	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,6,7,8-HxCDD	0.00010		0.0000065	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,7,8,9-HxCDD	0.000028		0.0000065	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,4,7,8-HxCDF	0.000018		0.0000065	0.0000016	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,6,7,8-HxCDF	0.000017		0.0000065	0.0000014	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,7,8,9-HxCDF	ND		0.0000065	0.0000016	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
2,3,4,6,7,8-HxCDF	0.000014		0.0000065	0.0000015	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,4,6,7,8-HpCDD	0.0014	B	0.0000065	0.0000053	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,4,6,7,8-HpCDF	0.0014	B G	0.0000091	0.0000091	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
1,2,3,4,7,8,9-HpCDF	0.000026	G	0.000012	0.000012	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
OCDD	0.016	E B	0.000013	0.0000075	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
OCDF	0.00065	B	0.000013	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Total TCDD	0.000029	q	0.0000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Total TCDF	0.000012	q	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Total PeCDD	0.000046	q	0.0000065	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Total PeCDF	0.000074	q	0.0000065	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Total HxCDD	0.00060		0.0000065	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Total HxCDF	0.00076	q	0.0000065	0.0000015	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Total HpCDD	0.0026	B	0.0000065	0.0000053	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Total HpCDF	0.0030	B G	0.000010	0.000010	mg/Kg	☼	07/12/16 13:07	07/18/16 04:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	87		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-2,3,7,8-TCDF	84		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,7,8-PeCDD	96		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,7,8-PeCDF	89		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,6,7,8-HxCDD	96		40 - 135				07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,4,7,8-HxCDF	116		40 - 135				07/12/16 13:07	07/18/16 04:53	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-13-2

Date Collected: 06/16/16 10:54

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-20

Matrix: Solid

Percent Solids: 76.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	95		40 - 135	07/12/16 13:07	07/18/16 04:53	1
13C-1,2,3,4,6,7,8-HpCDF	60		40 - 135	07/12/16 13:07	07/18/16 04:53	1
13C-OCDD	100		40 - 135	07/12/16 13:07	07/18/16 04:53	1

Client Sample ID: OM-SS-16

Date Collected: 06/16/16 11:04

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-22

Matrix: Solid

Percent Solids: 59.7

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	490		34	17	mg/Kg	☼	06/30/16 11:58	07/07/16 02:04	10
Motor Oil Range Organics (C24-C40)	1500	B	170	130	mg/Kg	☼	06/30/16 11:58	07/07/16 02:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	120		63 - 141	06/30/16 11:58	07/07/16 02:04	10

Client Sample ID: OM-SS-19

Date Collected: 06/16/16 11:08

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-23

Matrix: Solid

Percent Solids: 63.8

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	450		16	7.8	mg/Kg	☼	06/24/16 13:15	07/01/16 10:52	5
Motor Oil Range Organics (C24-C40)	1600		78	59	mg/Kg	☼	06/24/16 13:15	07/01/16 10:52	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	131		63 - 141	06/24/16 13:15	07/01/16 10:52	5

Client Sample ID: OM-SS-17

Date Collected: 06/16/16 11:13

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-24

Matrix: Solid

Percent Solids: 64.0

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	270		8.0	4.0	mg/Kg	☼	06/24/16 13:15	06/29/16 04:27	5
Motor Oil Range Organics (C24-C40)	1200		40	30	mg/Kg	☼	06/24/16 13:15	06/29/16 04:27	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	102		63 - 141	06/24/16 13:15	06/29/16 04:27	5

Client Sample ID: OM-SS-11-2

Date Collected: 06/16/16 11:33

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-25

Matrix: Solid

Percent Solids: 81.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000029		0.0000012	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-11-2

Lab Sample ID: 320-19659-25

Date Collected: 06/16/16 11:33

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 81.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	0.000013		0.0000061	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				7					
1,2,3,7,8-PeCDF	0.0000035	J	0.0000061	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				0					
2,3,4,7,8-PeCDF	0.0000034	J	0.0000061	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				1					
1,2,3,4,7,8-HxCDD	0.000018		0.0000061	0.0000010	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
1,2,3,6,7,8-HxCDD	0.00017		0.0000061	0.0000010	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
1,2,3,7,8,9-HxCDD	0.000073		0.0000061	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				8					
1,2,3,4,7,8-HxCDF	0.000024		0.0000061	0.0000016	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
1,2,3,6,7,8-HxCDF	0.000025		0.0000061	0.0000015	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
1,2,3,7,8,9-HxCDF	ND		0.0000061	0.0000016	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
2,3,4,6,7,8-HxCDF	0.000019		0.0000061	0.0000016	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
1,2,3,4,6,7,8-HpCDD	0.0020	B G	0.0000062	0.0000062	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
1,2,3,4,6,7,8-HpCDF	0.0024	B G	0.0000062	0.0000062	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
1,2,3,4,7,8,9-HpCDF	0.000026	G	0.0000079	0.0000079	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
OCDD	0.018	E B	0.000012	0.0000088	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
OCDF	0.0012	B	0.000012	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				6					
Total TCDD	0.000052	q	0.0000012	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				70					
Total TCDF	0.000013	q	0.0000012	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				2					
Total PeCDD	0.00015		0.0000061	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				7					
Total PeCDF	0.000094		0.0000061	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				1					
Total HxCDD	0.0011		0.0000061	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
				8					
Total HxCDF	0.0012		0.0000061	0.0000016	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
Total HpCDD	0.0037	B G	0.0000062	0.0000062	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1
Total HpCDF	0.0043	B G	0.0000070	0.0000070	mg/Kg	☼	07/12/16 13:07	07/18/16 05:39	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	91		40 - 135	07/12/16 13:07	07/18/16 05:39	1
13C-2,3,7,8-TCDF	87		40 - 135	07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,7,8-PeCDD	99		40 - 135	07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,7,8-PeCDF	92		40 - 135	07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,6,7,8-HxCDD	98		40 - 135	07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,4,7,8-HxCDF	104		40 - 135	07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,4,6,7,8-HpCDD	101		40 - 135	07/12/16 13:07	07/18/16 05:39	1
13C-1,2,3,4,6,7,8-HpCDF	88		40 - 135	07/12/16 13:07	07/18/16 05:39	1
13C-OCDD	107		40 - 135	07/12/16 13:07	07/18/16 05:39	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000089	J	0.0000012	0.0000003	mg/Kg	☼	07/12/16 13:07	07/19/16 17:06	1
				2					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	95		40 - 135				07/12/16 13:07	07/19/16 17:06	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-10-2

Lab Sample ID: 320-19659-27

Date Collected: 06/16/16 11:47

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 81.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000054		0.0000012	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,7,8-PeCDD	0.000026		0.0000061	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,7,8-PeCDF	0.0000025	J q	0.0000061	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
2,3,4,7,8-PeCDF	0.0000028	J	0.0000061	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,4,7,8-HxCDD	0.000044		0.0000061	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,6,7,8-HxCDD	0.00024		0.0000061	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,7,8,9-HxCDD	0.00011		0.0000061	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,4,7,8-HxCDF	0.000022		0.0000061	0.0000023	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,6,7,8-HxCDF	0.000018		0.0000061	0.0000021	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,7,8,9-HxCDF	ND		0.0000061	0.0000023	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
2,3,4,6,7,8-HxCDF	0.000016		0.0000061	0.0000022	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,4,6,7,8-HpCDD	0.0032	E B G	0.000010	0.000010	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,4,6,7,8-HpCDF	0.0022	B G	0.0000067	0.0000067	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
1,2,3,4,7,8,9-HpCDF	0.000027	G	0.0000086	0.0000086	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
OCDF	0.0012	B	0.000012	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
Total TCDD	0.00011		0.0000012	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
Total TCDF	0.000012		0.0000012	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
Total PeCDD	0.00023		0.0000061	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
Total PeCDF	0.000075	q	0.0000061	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
Total HxCDD	0.0017		0.0000061	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
Total HxCDF	0.0011	q	0.0000061	0.0000022	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
Total HpCDD	0.0058	B G	0.000010	0.000010	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1
Total HpCDF	0.0041	B G	0.0000077	0.0000077	mg/Kg	☼	07/12/16 13:07	07/18/16 06:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	93		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-2,3,7,8-TCDF	92		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,7,8-PeCDD	101		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,7,8-PeCDF	96		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,6,7,8-HxCDD	103		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,4,7,8-HxCDF	109		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,4,6,7,8-HpCDD	108		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-1,2,3,4,6,7,8-HpCDF	95		40 - 135	07/12/16 13:07	07/18/16 06:26	1
13C-OCDD	107		40 - 135	07/12/16 13:07	07/18/16 06:26	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.029	B	0.00024	0.000026	mg/Kg	☼	07/12/16 13:07	07/20/16 17:38	20
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-OCDD	102		40 - 135				07/12/16 13:07	07/20/16 17:38	20

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-10-2

Date Collected: 06/16/16 11:47

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-27

Matrix: Solid

Percent Solids: 81.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000066	J	0.0000012	0.0000002	mg/Kg	☼	07/12/16 13:07	07/19/16 19:37	1
				0					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	105		40 - 135				07/12/16 13:07	07/19/16 19:37	1

Client Sample ID: OM-SS-20

Date Collected: 06/16/16 11:55

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-29

Matrix: Solid

Percent Solids: 57.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000067		0.0000017	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
				5					
1,2,3,7,8-PeCDD	0.000052		0.0000086	0.0000037	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,7,8-PeCDF	0.000012		0.0000086	0.0000014	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
2,3,4,7,8-PeCDF	0.000014		0.0000086	0.0000014	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,7,8-HxCDD	0.00011		0.0000086	0.0000038	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,6,7,8-HxCDD	0.00063		0.0000086	0.0000037	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,7,8,9-HxCDD	0.00030		0.0000086	0.0000032	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,7,8-HxCDF	0.00013	G	0.000018	0.000018	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,6,7,8-HxCDF	0.00014	G	0.000017	0.000017	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,7,8,9-HxCDF	ND	G	0.000019	0.000019	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
2,3,4,6,7,8-HxCDF	0.00015	G	0.000018	0.000018	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,6,7,8-HpCDD	0.0042	E B G	0.000019	0.000019	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,6,7,8-HpCDF	0.019	E B G	0.000059	0.000059	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
1,2,3,4,7,8,9-HpCDF	0.000079	G	0.000075	0.000075	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
OCDD	0.014	E B	0.000017	0.0000071	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
OCDF	0.0068	B	0.000017	0.0000029	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
Total TCDD	0.00014		0.0000017	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
				5					
Total TCDF	0.000052		0.0000017	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
				3					
Total PeCDD	0.00060		0.0000086	0.0000037	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
Total PeCDF	0.00057		0.0000086	0.0000014	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
Total HxCDD	0.0042		0.0000086	0.0000036	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
Total HxCDF	0.0074	G	0.000018	0.000018	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
Total HpCDD	0.0072	B G	0.000019	0.000019	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
Total HpCDF	0.030	B G	0.000067	0.000067	mg/Kg	☼	07/12/16 13:07	07/18/16 07:12	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	86		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-2,3,7,8-TCDF	84		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,7,8-PeCDD	88		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,7,8-PeCDF	84		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,6,7,8-HxCDD	90		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,4,7,8-HxCDF	94		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,4,6,7,8-HpCDD	97		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-1,2,3,4,6,7,8-HpCDF	85		40 - 135				07/12/16 13:07	07/18/16 07:12	1
13C-OCDD	94		40 - 135				07/12/16 13:07	07/18/16 07:12	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-20

Date Collected: 06/16/16 11:55

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-29

Matrix: Solid

Percent Solids: 57.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000015	J	0.0000017	0.0000008	mg/Kg	☼	07/12/16 13:07	07/19/16 17:44	1
				0					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	93		40 - 135				07/12/16 13:07	07/19/16 17:44	1

Client Sample ID: OM-SS-09-2

Date Collected: 06/16/16 12:05

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-30

Matrix: Solid

Percent Solids: 86.2

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	74		5.8	2.9	mg/Kg	☼	06/24/16 13:15	06/29/16 04:56	5
Motor Oil Range Organics (C24-C40)	520		29	22	mg/Kg	☼	06/24/16 13:15	06/29/16 04:56	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	97		63 - 141				06/24/16 13:15	06/29/16 04:56	5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000021		0.0000011	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,7,8-PeCDD	0.000012		0.0000057	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,7,8-PeCDF	0.0000045	J	0.0000057	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
2,3,4,7,8-PeCDF	0.0000035	J	0.0000057	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,4,7,8-HxCDD	0.000025		0.0000057	0.0000010	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,6,7,8-HxCDD	0.000023		0.0000057	0.0000010	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,7,8,9-HxCDD	0.000073		0.0000057	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,4,7,8-HxCDF	0.000024		0.0000057	0.0000027	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,6,7,8-HxCDF	0.000019		0.0000057	0.0000025	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,7,8,9-HxCDF	ND		0.0000057	0.0000027	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
2,3,4,6,7,8-HxCDF	0.000016		0.0000057	0.0000026	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,4,6,7,8-HpCDF	0.0018	G B	0.0000089	0.0000089	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
1,2,3,4,7,8,9-HpCDF	0.000027	G	0.000011	0.000011	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
OCDF	0.0010	B	0.000011	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
Total TCDD	0.000087		0.0000011	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
Total TCDF	0.000014	q	0.0000011	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
Total PeCDD	0.00013		0.0000057	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
Total PeCDF	0.000086		0.0000057	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
Total HxCDD	0.0013		0.0000057	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
Total HxCDF	0.00099	q	0.0000057	0.0000026	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1
Total HpCDF	0.0035	G B	0.000010	0.000010	mg/Kg	☼	07/12/16 13:07	07/18/16 21:01	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-09-2

Date Collected: 06/16/16 12:05

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-30

Matrix: Solid

Percent Solids: 86.2

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	88		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-2,3,7,8-TCDF	83		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,7,8-PeCDD	97		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,7,8-PeCDF	88		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,6,7,8-HxCDD	95		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,4,7,8-HxCDF	95		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-1,2,3,4,6,7,8-HpCDF	89		40 - 135	07/12/16 13:07	07/18/16 21:01	1
13C-OCDD	110		40 - 135	07/12/16 13:07	07/18/16 21:01	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	0.0038	B	0.000057	0.000038	mg/Kg	☼	07/12/16 13:07	07/21/16 20:07	10
OCDD	0.033	B	0.00011	0.000021	mg/Kg	☼	07/12/16 13:07	07/21/16 20:07	10
Total HpCDD	0.0071	B	0.000057	0.000038	mg/Kg	☼	07/12/16 13:07	07/21/16 20:07	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	83		40 - 135				07/12/16 13:07	07/21/16 20:07	10
13C-OCDD	87		40 - 135				07/12/16 13:07	07/21/16 20:07	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000086	J	0.0000011	0.0000002	mg/Kg	☼	07/12/16 13:07	07/21/16 12:58	1
				6					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	107		40 - 135				07/12/16 13:07	07/21/16 12:58	1

Client Sample ID: OM-SS-08-2

Date Collected: 06/16/16 12:21

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-32

Matrix: Solid

Percent Solids: 77.6

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	130		13	6.5	mg/Kg	☼	06/24/16 13:15	07/01/16 11:21	10
Motor Oil Range Organics (C24-C40)	460		65	49	mg/Kg	☼	06/24/16 13:15	07/01/16 11:21	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	105		63 - 141				06/24/16 13:15	07/01/16 11:21	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000037		0.0000013	0.0000002	mg/Kg	✱	07/12/16 13:07	07/18/16 21:48	1
				9					
1,2,3,7,8-PeCDD	0.000019		0.0000064	0.0000004	mg/Kg	✱	07/12/16 13:07	07/18/16 21:48	1
				3					
1,2,3,7,8-PeCDF	0.0000084		0.0000064	0.0000006	mg/Kg	✱	07/12/16 13:07	07/18/16 21:48	1
				5					
2,3,4,7,8-PeCDF	0.0000074		0.0000064	0.0000006	mg/Kg	✱	07/12/16 13:07	07/18/16 21:48	1
				6					
1,2,3,4,7,8-HxCDD	0.000030		0.0000064	0.0000011	mg/Kg	✱	07/12/16 13:07	07/18/16 21:48	1
1,2,3,6,7,8-HxCDD	0.00027		0.0000064	0.0000011	mg/Kg	✱	07/12/16 13:07	07/18/16 21:48	1
1,2,3,7,8,9-HxCDD	0.00010		0.0000064	0.0000009	mg/Kg	✱	07/12/16 13:07	07/18/16 21:48	1
				3					
1,2,3,4,7,8-HxCDF	0.000038		0.0000064	0.0000036	mg/Kg	✱	07/12/16 13:07	07/18/16 21:48	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-08-2

Lab Sample ID: 320-19659-32

Date Collected: 06/16/16 12:21

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 77.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	0.000029		0.0000064	0.0000033	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
1,2,3,7,8,9-HxCDF	ND		0.0000064	0.0000037	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
2,3,4,6,7,8-HxCDF	0.000025		0.0000064	0.0000035	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
1,2,3,4,7,8,9-HpCDF	0.000033	G	0.000015	0.000015	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
OCDF	0.0015	B	0.000013	0.0000008	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
				0					
Total TCDD	0.000097	q	0.0000013	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
				9					
Total TCDF	0.000015		0.0000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
				2					
Total PeCDD	0.00020		0.0000064	0.0000004	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
				3					
Total PeCDF	0.00013	q	0.0000064	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
				6					
Total HxCDD	0.0016		0.0000064	0.0000010	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
Total HxCDF	0.0017		0.0000064	0.0000035	mg/Kg	☼	07/12/16 13:07	07/18/16 21:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	89		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-2,3,7,8-TCDF	86		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-1,2,3,7,8-PeCDD	101		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-1,2,3,7,8-PeCDF	91		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-1,2,3,6,7,8-HxCDD	97		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-1,2,3,4,7,8-HxCDF	100		40 - 135				07/12/16 13:07	07/18/16 21:48	1
13C-OCDD	112		40 - 135				07/12/16 13:07	07/18/16 21:48	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	0.0046	B	0.000064	0.000039	mg/Kg	☼	07/12/16 13:07	07/21/16 20:53	10
1,2,3,4,6,7,8-HpCDF	0.0037	B	0.000064	0.000020	mg/Kg	☼	07/12/16 13:07	07/21/16 20:53	10
OCDD	0.043	B	0.00013	0.000023	mg/Kg	☼	07/12/16 13:07	07/21/16 20:53	10
Total HpCDD	0.0093	B	0.000064	0.000039	mg/Kg	☼	07/12/16 13:07	07/21/16 20:53	10
Total HpCDF	0.0066	B	0.000064	0.000022	mg/Kg	☼	07/12/16 13:07	07/21/16 20:53	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135				07/12/16 13:07	07/21/16 20:53	10
13C-1,2,3,4,6,7,8-HpCDF	92		40 - 135				07/12/16 13:07	07/21/16 20:53	10
13C-OCDD	82		40 - 135				07/12/16 13:07	07/21/16 20:53	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000016		0.0000013	0.0000003	mg/Kg	☼	07/12/16 13:07	07/21/16 13:36	1
				1					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	108		40 - 135				07/12/16 13:07	07/21/16 13:36	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-12-2

Lab Sample ID: 320-19659-34

Date Collected: 06/16/16 12:38

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 75.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000013		0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				85					
2,3,7,8-TCDF	0.00000036	J	0.0000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				0					
1,2,3,7,8-PeCDD	0.00000056	J	0.0000066	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				8					
1,2,3,7,8-PeCDF	0.0000010	J	0.0000066	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				3					
2,3,4,7,8-PeCDF	0.00000082	J	0.0000066	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				4					
1,2,3,4,7,8-HxCDD	0.00000071		0.0000066	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				0					
1,2,3,6,7,8-HxCDD	0.0000051		0.0000066	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				8					
1,2,3,7,8,9-HxCDD	0.0000026		0.0000066	0.0000005	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				9					
1,2,3,4,7,8-HxCDF	0.00000070		0.0000066	0.0000012	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
1,2,3,6,7,8-HxCDF	0.00000064	J	0.0000066	0.0000011	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
1,2,3,7,8,9-HxCDF	ND		0.0000066	0.0000012	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
2,3,4,6,7,8-HxCDF	0.00000061	J	0.0000066	0.0000011	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
1,2,3,4,6,7,8-HpCDD	0.000069	B	0.0000066	0.0000038	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.0000066	0.0000044	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
1,2,3,4,7,8,9-HpCDF	0.00000065	J	0.0000066	0.0000056	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
OCDD	0.0064	E B	0.000013	0.0000042	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
OCDF	0.00045	B	0.000013	0.0000003	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				3					
Total TCDD	0.000022	q	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				85					
Total TCDF	0.0000040	q	0.0000013	0.0000001	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				0					
Total PeCDD	0.000063		0.0000066	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				8					
Total PeCDF	0.000026		0.0000066	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				3					
Total HxCDD	0.00043		0.0000066	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
				6					
Total HxCDF	0.00038		0.0000066	0.0000011	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
Total HpCDD	0.0014	B	0.0000066	0.0000038	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
Total HpCDF	0.0018	B	0.0000066	0.0000050	mg/Kg	☼	07/12/16 13:07	07/18/16 22:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	60		40 - 135				07/12/16 13:07	07/18/16 22:34	1
13C-2,3,7,8-TCDF	57		40 - 135				07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,7,8-PeCDD	64		40 - 135				07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,7,8-PeCDF	59		40 - 135				07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,6,7,8-HxCDD	66		40 - 135				07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,4,7,8-HxCDF	64		40 - 135				07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,4,6,7,8-HpCDD	69		40 - 135				07/12/16 13:07	07/18/16 22:34	1
13C-1,2,3,4,6,7,8-HpCDF	62		40 - 135				07/12/16 13:07	07/18/16 22:34	1
13C-OCDD	71		40 - 135				07/12/16 13:07	07/18/16 22:34	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-21

Lab Sample ID: 320-19659-36

Date Collected: 06/16/16 12:45

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 76.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000014		0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				74					
2,3,7,8-TCDF	0.00000051	J	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				62					
1,2,3,7,8-PeCDD	0.0000062	J	0.0000065	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				1					
1,2,3,7,8-PeCDF	0.0000012	J	0.0000065	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				5					
2,3,4,7,8-PeCDF	0.00000088	J	0.0000065	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				5					
1,2,3,4,7,8-HxCDD	0.0000074		0.0000065	0.0000007	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				1					
1,2,3,6,7,8-HxCDD	0.000060		0.0000065	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				9					
1,2,3,7,8,9-HxCDD	0.000030		0.0000065	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				0					
1,2,3,4,7,8-HxCDF	0.0000079		0.0000065	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				9					
1,2,3,6,7,8-HxCDF	0.0000075		0.0000065	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				1					
1,2,3,7,8,9-HxCDF	ND		0.0000065	0.0000010	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
2,3,4,6,7,8-HxCDF	0.0000068		0.0000065	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				7					
1,2,3,4,6,7,8-HpCDD	0.00074	B	0.0000065	0.0000040	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
1,2,3,4,6,7,8-HpCDF	0.0011	B	0.0000065	0.0000045	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
1,2,3,4,7,8,9-HpCDF	0.0000065		0.0000065	0.0000057	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
OCDD	0.0065	E B	0.000013	0.0000044	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
OCDF	0.00045	B	0.000013	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				9					
Total TCDD	0.000025		0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				74					
Total TCDF	0.0000031	q	0.0000013	0.0000000	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				62					
Total PeCDD	0.000068		0.0000065	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				1					
Total PeCDF	0.000030		0.0000065	0.0000002	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				5					
Total HxCDD	0.00047		0.0000065	0.0000006	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				7					
Total HxCDF	0.00044		0.0000065	0.0000009	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
				7					
Total HpCDD	0.0015	B	0.0000065	0.0000040	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
Total HpCDF	0.0018	B	0.0000065	0.0000051	mg/Kg	☼	07/12/16 13:07	07/18/16 23:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	92		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-2,3,7,8-TCDF	86		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,7,8-PeCDD	97		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,7,8-PeCDF	91		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,6,7,8-HxCDD	95		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,4,7,8-HxCDF	95		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,4,6,7,8-HpCDD	106		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-1,2,3,4,6,7,8-HpCDF	95		40 - 135				07/12/16 13:07	07/18/16 23:20	1
13C-OCDD	107		40 - 135				07/12/16 13:07	07/18/16 23:20	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-W

Date Collected: 06/16/16 13:10

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-37

Matrix: Water

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	48	J B	52	17	ug/L		06/23/16 11:34	06/27/16 18:13	1
Motor Oil Range Organics (C24-C40)	280	J B	520	170	ug/L		06/23/16 11:34	06/27/16 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	81		56 - 145				06/23/16 11:34	06/27/16 18:13	1

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	ND	H	52	17	ug/L		07/05/16 10:54	07/07/16 12:40	1
Motor Oil Range Organics (C24-C40)	ND	H	520	170	ug/L		07/05/16 10:54	07/07/16 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	66		56 - 145				07/05/16 10:54	07/07/16 12:40	1

Surrogate Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Silica Gel Cleanup

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTPH1 (63-141)
320-19659-1	OM-SS-01-2	110
320-19659-1 MS	OM-SS-01-2	114
320-19659-1 MSD	OM-SS-01-2	114
320-19659-3	OM-SS-02-2	78
320-19659-5	OM-SS-18	84
320-19659-6	OM-SS-06-2	98
320-19659-8	OM-SS-03-2	79
320-19659-10	OM-SS-05-2	92
320-19659-12	OM-SS-07-2	93
320-19659-14	OM-SS-04-2	111
320-19659-22	OM-SS-16	120
320-19659-23	OM-SS-19	131
320-19659-24	OM-SS-17	102
320-19659-30	OM-SS-09-2	97
320-19659-32	OM-SS-08-2	105
LCS 320-115239/2-A	Lab Control Sample	88
LCS 320-116148/2-A	Lab Control Sample	97
MB 320-115239/1-A	Method Blank	85
MB 320-116148/1-A	Method Blank	90
Surrogate Legend		
OTPH = o-Terphenyl (Surr)		

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Water

Prep Type: Silica Gel Cleanup

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTPH1 (56-145)
320-19659-37	OM-W	81
320-19659-37 - RE	OM-W	66
LCS 320-115045/2-A	Lab Control Sample	91
LCS 320-116520/2-A	Lab Control Sample	96
LCSD 320-115045/3-A	Lab Control Sample Dup	84
LCSD 320-116520/3-A	Lab Control Sample Dup	95
MB 320-115045/1-A	Method Blank	76
MB 320-116520/1-A	Method Blank	63
Surrogate Legend		
OTPH = o-Terphenyl (Surr)		

Isotope Dilution Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	HxCDD2 (40-135)	HxCDF1 (40-135)	HpCDD (40-135)	HpCDF1 (40-135)
320-19659-1	OM-SS-01-2	85	83	91	85	92	88	97	87
320-19659-1 - DL	OM-SS-01-2								
320-19659-3	OM-SS-02-2	81	78	85	80	97	99	87	74
320-19659-6	OM-SS-06-2	83	79	86	80	91	91	94	83
320-19659-8	OM-SS-03-2	85	79	87	82	92	83	88	78
320-19659-10	OM-SS-05-2	87	87	90	87	90	90	105	97
320-19659-12	OM-SS-07-2	80	77	79	77	85	78	91	83
320-19659-14	OM-SS-04-2	82	80	84	81	87	86	92	83
320-19659-16	OM-SS-15-2	84	82	87	83	86	85	95	85
320-19659-19	OM-SS-14-2	76	77	85	77	95	118	84	64
320-19659-19 - RA	OM-SS-14-2		85						
320-19659-20	OM-SS-13-2	87	84	96	89	96	116	95	60
320-19659-25	OM-SS-11-2	91	87	99	92	98	104	101	88
320-19659-25 - RA	OM-SS-11-2		95						
320-19659-27	OM-SS-10-2	93	92	101	96	103	109	108	95
320-19659-27 - DL	OM-SS-10-2								
320-19659-27 - RA	OM-SS-10-2		105						
320-19659-29	OM-SS-20	86	84	88	84	90	94	97	85
320-19659-29 - RA	OM-SS-20		93						
320-19659-30	OM-SS-09-2	88	83	97	88	95	95		89
320-19659-30 - RA	OM-SS-09-2		107						
320-19659-30 - DL	OM-SS-09-2							83	
320-19659-32	OM-SS-08-2	89	86	101	91	97	100		
320-19659-32 - RA	OM-SS-08-2		108						
320-19659-32 - DL	OM-SS-08-2							84	92
320-19659-34	OM-SS-12-2	60	57	64	59	66	64	69	62
320-19659-36	OM-SS-21	92	86	97	91	95	95	106	95
LCS 320-117526/2-A	Lab Control Sample	90	85	91	87	99	92	101	94
LCSD 320-117526/3-A	Lab Control Sample Dup	83	79	82	80	90	82	88	82
MB 320-117526/1-A	Method Blank	81	78	79	77	88	80	85	78

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OCDD (40-135)
320-19659-1	OM-SS-01-2	93
320-19659-1 - DL	OM-SS-01-2	97
320-19659-3	OM-SS-02-2	84
320-19659-6	OM-SS-06-2	96
320-19659-8	OM-SS-03-2	87
320-19659-10	OM-SS-05-2	109
320-19659-12	OM-SS-07-2	91
320-19659-14	OM-SS-04-2	93
320-19659-16	OM-SS-15-2	99
320-19659-19	OM-SS-14-2	86
320-19659-19 - RA	OM-SS-14-2	
320-19659-20	OM-SS-13-2	100
320-19659-25	OM-SS-11-2	107
320-19659-25 - RA	OM-SS-11-2	
320-19659-27	OM-SS-10-2	107
320-19659-27 - DL	OM-SS-10-2	102

TestAmerica Sacramento

Isotope Dilution Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OCDD (40-135)
320-19659-27 - RA	OM-SS-10-2	
320-19659-29	OM-SS-20	94
320-19659-29 - RA	OM-SS-20	
320-19659-30	OM-SS-09-2	110
320-19659-30 - RA	OM-SS-09-2	
320-19659-30 - DL	OM-SS-09-2	87
320-19659-32	OM-SS-08-2	112
320-19659-32 - RA	OM-SS-08-2	
320-19659-32 - DL	OM-SS-08-2	82
320-19659-34	OM-SS-12-2	71
320-19659-36	OM-SS-21	107
LCS 320-117526/2-A	Lab Control Sample	85
LCSD 320-117526/3-A	Lab Control Sample Dup	74
MB 320-117526/1-A	Method Blank	69

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD

TCDF = 13C-2,3,7,8-TCDF

PeCDD = 13C-1,2,3,7,8-PeCDD

PeCDF1 = 13C-1,2,3,7,8-PeCDF

HxCDD2 = 13C-1,2,3,6,7,8-HxCDD

HxCDF1 = 13C-1,2,3,4,7,8-HxCDF

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD

HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF

OCDD = 13C-OCDD

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 320-115045/1-A

Matrix: Water

Analysis Batch: 115426

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 115045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	125		50	16	ug/L		06/23/16 11:34	06/27/16 18:42	1
Motor Oil Range Organics (C24-C40)	703		500	170	ug/L		06/23/16 11:34	06/27/16 18:42	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	76		56 - 145				06/23/16 11:34	06/27/16 18:42	1

Lab Sample ID: LCS 320-115045/2-A

Matrix: Water

Analysis Batch: 115426

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 115045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C12-C24]	300	209		ug/L		70	53 - 123		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
o-Terphenyl (Surr)	91		56 - 145						

Lab Sample ID: LCSD 320-115045/3-A

Matrix: Water

Analysis Batch: 115426

Client Sample ID: Lab Control Sample Dup

Prep Type: Silica Gel Cleanup

Prep Batch: 115045

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C12-C24]	300	233		ug/L		78	53 - 123	11	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
o-Terphenyl (Surr)	84		56 - 145						

Lab Sample ID: MB 320-115239/1-A

Matrix: Solid

Analysis Batch: 115763

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 115239

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	ND		1.0	0.50	mg/Kg		06/24/16 13:15	06/28/16 22:45	1
Motor Oil Range Organics (C24-C40)	ND		5.0	3.8	mg/Kg		06/24/16 13:15	06/28/16 22:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	85		63 - 141				06/24/16 13:15	06/28/16 22:45	1

Lab Sample ID: LCS 320-115239/2-A

Matrix: Solid

Analysis Batch: 115763

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 115239

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C12-C24]	10.0	8.90		mg/Kg		89	67 - 113		

TestAmerica Sacramento

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 320-115239/2-A

Matrix: Solid

Analysis Batch: 115763

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 115239

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	88		63 - 141

Lab Sample ID: MB 320-116148/1-A

Matrix: Solid

Analysis Batch: 116636

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 116148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	ND		1.0	0.50	mg/Kg		06/30/16 11:58	07/06/16 12:50	1
Motor Oil Range Organics (C24-C40)	3.86	J	5.0	3.8	mg/Kg		06/30/16 11:58	07/06/16 12:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	90		63 - 141				06/30/16 11:58	07/06/16 12:50	1

Lab Sample ID: LCS 320-116148/2-A

Matrix: Solid

Analysis Batch: 116636

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 116148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C12-C24]	10.0	8.22		mg/Kg		82	67 - 113
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>o</i> -Terphenyl (Surr)	97		63 - 141				

Lab Sample ID: 320-19659-1 MS

Matrix: Solid

Analysis Batch: 116636

Client Sample ID: OM-SS-01-2

Prep Type: Silica Gel Cleanup

Prep Batch: 116148

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C12-C24]	100		12.0	66.8	4	mg/Kg	✱	-279	67 - 113
Surrogate	MS %Recovery	MS Qualifier	Limits						
<i>o</i> -Terphenyl (Surr)	114		63 - 141						

Lab Sample ID: 320-19659-1 MSD

Matrix: Solid

Analysis Batch: 116636

Client Sample ID: OM-SS-01-2

Prep Type: Silica Gel Cleanup

Prep Batch: 116148

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics [C12-C24]	100		12.0	61.6	4	mg/Kg	✱	-323	67 - 113	8	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
<i>o</i> -Terphenyl (Surr)	114		63 - 141								

TestAmerica Sacramento

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 320-116520/1-A

Matrix: Water

Analysis Batch: 116636

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 116520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C12-C24]	ND		50	16	ug/L		07/05/16 10:54	07/07/16 08:49	1
Motor Oil Range Organics (C24-C40)	ND		500	170	ug/L		07/05/16 10:54	07/07/16 08:49	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl (Surr)	63		56 - 145				07/05/16 10:54	07/07/16 08:49	1

Lab Sample ID: LCS 320-116520/2-A

Matrix: Water

Analysis Batch: 116636

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 116520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C12-C24]	300	238		ug/L		79	53 - 123
Surrogate	%Recovery	LCS Qualifier	Limits				
<i>o</i> -Terphenyl (Surr)	96		56 - 145				

Lab Sample ID: LCSD 320-116520/3-A

Matrix: Water

Analysis Batch: 116636

Client Sample ID: Lab Control Sample Dup

Prep Type: Silica Gel Cleanup

Prep Batch: 116520

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C12-C24]	300	236		ug/L		79	53 - 123	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
<i>o</i> -Terphenyl (Surr)	95		56 - 145						

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-117526/1-A

Matrix: Solid

Analysis Batch: 118160

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117526

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000010	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
2,3,7,8-TCDF	ND		0.0000010	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,7,8-PeCDD	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,7,8-PeCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
2,3,4,7,8-PeCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,4,7,8-HxCDD	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,6,7,8-HxCDD	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1

TestAmerica Sacramento

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-117526/1-A

Matrix: Solid

Analysis Batch: 118160

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117526

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8,9-HxCDD	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,4,7,8-HxCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,6,7,8-HxCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,7,8,9-HxCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
2,3,4,6,7,8-HxCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,4,6,7,8-HpCDD	0.000000193	J	0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,4,6,7,8-HpCDF	0.000000135	J	0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
1,2,3,4,7,8,9-HpCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
OCDD	0.00000810	J	0.000010	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
OCDF	0.000000614	J	0.000010	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
Total TCDD	ND		0.0000010	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
Total TCDF	ND		0.0000010	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
Total PeCDD	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
Total PeCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
Total HxCDD	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
Total HxCDF	ND		0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
Total HpCDD	0.000000374	J	0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1
Total HpCDF	0.000000135	J	0.0000050	0.0000000	mg/Kg		07/12/16 13:07	07/17/16 14:32	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135	07/12/16 13:07	07/17/16 14:32	1
13C-2,3,7,8-TCDF	78		40 - 135	07/12/16 13:07	07/17/16 14:32	1
13C-1,2,3,7,8-PeCDD	79		40 - 135	07/12/16 13:07	07/17/16 14:32	1
13C-1,2,3,7,8-PeCDF	77		40 - 135	07/12/16 13:07	07/17/16 14:32	1
13C-1,2,3,6,7,8-HxCDD	88		40 - 135	07/12/16 13:07	07/17/16 14:32	1
13C-1,2,3,4,7,8-HxCDF	80		40 - 135	07/12/16 13:07	07/17/16 14:32	1
13C-1,2,3,4,6,7,8-HpCDD	85		40 - 135	07/12/16 13:07	07/17/16 14:32	1
13C-1,2,3,4,6,7,8-HpCDF	78		40 - 135	07/12/16 13:07	07/17/16 14:32	1
13C-OCDD	69		40 - 135	07/12/16 13:07	07/17/16 14:32	1

TestAmerica Sacramento

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-117526/2-A

Matrix: Solid

Analysis Batch: 118160

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,3,7,8-TCDD	0.0000200	0.0000207		mg/Kg		103	77 - 130
2,3,7,8-TCDF	0.0000200	0.0000213		mg/Kg		106	79 - 137
1,2,3,7,8-PeCDD	0.000100	0.000105		mg/Kg		105	79 - 134
1,2,3,7,8-PeCDF	0.000100	0.000110		mg/Kg		110	81 - 134
2,3,4,7,8-PeCDF	0.000100	0.000108		mg/Kg		108	76 - 132
1,2,3,4,7,8-HxCDD	0.000100	0.0000955		mg/Kg		95	65 - 144
1,2,3,6,7,8-HxCDD	0.000100	0.000108		mg/Kg		108	73 - 147
1,2,3,7,8,9-HxCDD	0.000100	0.0000995		mg/Kg		100	80 - 143
1,2,3,4,7,8-HxCDF	0.000100	0.000104		mg/Kg		104	72 - 140
1,2,3,6,7,8-HxCDF	0.000100	0.000111		mg/Kg		111	63 - 152
1,2,3,7,8,9-HxCDF	0.000100	0.000104		mg/Kg		104	72 - 152
2,3,4,6,7,8-HxCDF	0.000100	0.000110		mg/Kg		110	72 - 151
1,2,3,4,6,7,8-HpCDD	0.000100	0.000106		mg/Kg		106	86 - 134
1,2,3,4,6,7,8-HpCDF	0.000100	0.000108		mg/Kg		108	81 - 137
1,2,3,4,7,8,9-HpCDF	0.000100	0.000110		mg/Kg		110	79 - 139
OCDD	0.000200	0.000219		mg/Kg		109	80 - 137
OCDF	0.000200	0.000217		mg/Kg		108	75 - 141

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-2,3,7,8-TCDD	90		40 - 135
13C-2,3,7,8-TCDF	85		40 - 135
13C-1,2,3,7,8-PeCDD	91		40 - 135
13C-1,2,3,7,8-PeCDF	87		40 - 135
13C-1,2,3,6,7,8-HxCDD	99		40 - 135
13C-1,2,3,4,7,8-HxCDF	92		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	101		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	94		40 - 135
13C-OCDD	85		40 - 135

Lab Sample ID: LCSD 320-117526/3-A

Matrix: Solid

Analysis Batch: 118160

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,3,7,8-TCDD	0.0000200	0.0000205		mg/Kg		102	77 - 130	1	20
2,3,7,8-TCDF	0.0000200	0.0000207		mg/Kg		104	79 - 137	3	20
1,2,3,7,8-PeCDD	0.000100	0.000106		mg/Kg		106	79 - 134	1	20
1,2,3,7,8-PeCDF	0.000100	0.000109		mg/Kg		109	81 - 134	1	20
2,3,4,7,8-PeCDF	0.000100	0.000109		mg/Kg		109	76 - 132	0	20
1,2,3,4,7,8-HxCDD	0.000100	0.0000919		mg/Kg		92	65 - 144	4	20
1,2,3,6,7,8-HxCDD	0.000100	0.000107		mg/Kg		107	73 - 147	1	20
1,2,3,7,8,9-HxCDD	0.000100	0.000100		mg/Kg		100	80 - 143	1	20
1,2,3,4,7,8-HxCDF	0.000100	0.000103		mg/Kg		103	72 - 140	0	20
1,2,3,6,7,8-HxCDF	0.000100	0.000112		mg/Kg		112	63 - 152	1	20
1,2,3,7,8,9-HxCDF	0.000100	0.000103		mg/Kg		103	72 - 152	1	20
2,3,4,6,7,8-HxCDF	0.000100	0.000110		mg/Kg		110	72 - 151	0	20
1,2,3,4,6,7,8-HpCDD	0.000100	0.000107		mg/Kg		107	86 - 134	1	20
1,2,3,4,6,7,8-HpCDF	0.000100	0.000108		mg/Kg		108	81 - 137	0	20

TestAmerica Sacramento

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-117526/3-A

Matrix: Solid

Analysis Batch: 118160

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3,4,7,8,9-HpCDF	0.000100	0.000110		mg/Kg		110	79 - 139	1	20
OCDD	0.000200	0.000219		mg/Kg		110	80 - 137	0	20
OCDF	0.000200	0.000218		mg/Kg		109	75 - 141	0	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C-2,3,7,8-TCDD	83		40 - 135
13C-2,3,7,8-TCDF	79		40 - 135
13C-1,2,3,7,8-PeCDD	82		40 - 135
13C-1,2,3,7,8-PeCDF	80		40 - 135
13C-1,2,3,6,7,8-HxCDD	90		40 - 135
13C-1,2,3,4,7,8-HxCDF	82		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	88		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82		40 - 135
13C-OCDD	74		40 - 135

TestAmerica Sacramento

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

GC Semi VOA

Prep Batch: 115045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-37	OM-W	Silica Gel Cleanup	Water	3510C SGC	
MB 320-115045/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 320-115045/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 320-115045/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Prep Batch: 115239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-3	OM-SS-02-2	Silica Gel Cleanup	Solid	3550B	
320-19659-5	OM-SS-18	Silica Gel Cleanup	Solid	3550B	
320-19659-8	OM-SS-03-2	Silica Gel Cleanup	Solid	3550B	
320-19659-10	OM-SS-05-2	Silica Gel Cleanup	Solid	3550B	
320-19659-12	OM-SS-07-2	Silica Gel Cleanup	Solid	3550B	
320-19659-14	OM-SS-04-2	Silica Gel Cleanup	Solid	3550B	
320-19659-23	OM-SS-19	Silica Gel Cleanup	Solid	3550B	
320-19659-24	OM-SS-17	Silica Gel Cleanup	Solid	3550B	
320-19659-30	OM-SS-09-2	Silica Gel Cleanup	Solid	3550B	
320-19659-32	OM-SS-08-2	Silica Gel Cleanup	Solid	3550B	
MB 320-115239/1-A	Method Blank	Silica Gel Cleanup	Solid	3550B	
LCS 320-115239/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3550B	

Analysis Batch: 115426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-37	OM-W	Silica Gel Cleanup	Water	8015B	115045
MB 320-115045/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	115045
LCS 320-115045/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	115045
LCSD 320-115045/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	115045

Analysis Batch: 115763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-3	OM-SS-02-2	Silica Gel Cleanup	Solid	8015B	115239
320-19659-5	OM-SS-18	Silica Gel Cleanup	Solid	8015B	115239
320-19659-8	OM-SS-03-2	Silica Gel Cleanup	Solid	8015B	115239
320-19659-10	OM-SS-05-2	Silica Gel Cleanup	Solid	8015B	115239
320-19659-12	OM-SS-07-2	Silica Gel Cleanup	Solid	8015B	115239
320-19659-24	OM-SS-17	Silica Gel Cleanup	Solid	8015B	115239
320-19659-30	OM-SS-09-2	Silica Gel Cleanup	Solid	8015B	115239
MB 320-115239/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	115239
LCS 320-115239/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	115239

Prep Batch: 116148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-1	OM-SS-01-2	Silica Gel Cleanup	Solid	3550B	
320-19659-6	OM-SS-06-2	Silica Gel Cleanup	Solid	3550B	
320-19659-22	OM-SS-16	Silica Gel Cleanup	Solid	3550B	
MB 320-116148/1-A	Method Blank	Silica Gel Cleanup	Solid	3550B	
LCS 320-116148/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3550B	
320-19659-1 MS	OM-SS-01-2	Silica Gel Cleanup	Solid	3550B	
320-19659-1 MSD	OM-SS-01-2	Silica Gel Cleanup	Solid	3550B	

TestAmerica Sacramento

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

GC Semi VOA (Continued)

Analysis Batch: 116479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-14	OM-SS-04-2	Silica Gel Cleanup	Solid	8015B	115239
320-19659-23	OM-SS-19	Silica Gel Cleanup	Solid	8015B	115239
320-19659-32	OM-SS-08-2	Silica Gel Cleanup	Solid	8015B	115239

Prep Batch: 116520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-37 - RE	OM-W	Silica Gel Cleanup	Water	3510C SGC	
MB 320-116520/1-A	Method Blank	Silica Gel Cleanup	Water	3510C SGC	
LCS 320-116520/2-A	Lab Control Sample	Silica Gel Cleanup	Water	3510C SGC	
LCSD 320-116520/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	3510C SGC	

Analysis Batch: 116636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-1	OM-SS-01-2	Silica Gel Cleanup	Solid	8015B	116148
320-19659-6	OM-SS-06-2	Silica Gel Cleanup	Solid	8015B	116148
320-19659-22	OM-SS-16	Silica Gel Cleanup	Solid	8015B	116148
320-19659-37 - RE	OM-W	Silica Gel Cleanup	Water	8015B	116520
MB 320-116148/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	116148
MB 320-116520/1-A	Method Blank	Silica Gel Cleanup	Water	8015B	116520
LCS 320-116148/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	116148
LCS 320-116520/2-A	Lab Control Sample	Silica Gel Cleanup	Water	8015B	116520
LCSD 320-116520/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Water	8015B	116520
320-19659-1 MS	OM-SS-01-2	Silica Gel Cleanup	Solid	8015B	116148
320-19659-1 MSD	OM-SS-01-2	Silica Gel Cleanup	Solid	8015B	116148

Specialty Organics

Prep Batch: 117526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-1	OM-SS-01-2	Total/NA	Solid	8290	
320-19659-1 - DL	OM-SS-01-2	Total/NA	Solid	8290	
320-19659-3	OM-SS-02-2	Total/NA	Solid	8290	
320-19659-6	OM-SS-06-2	Total/NA	Solid	8290	
320-19659-8	OM-SS-03-2	Total/NA	Solid	8290	
320-19659-10	OM-SS-05-2	Total/NA	Solid	8290	
320-19659-12	OM-SS-07-2	Total/NA	Solid	8290	
320-19659-14	OM-SS-04-2	Total/NA	Solid	8290	
320-19659-16	OM-SS-15-2	Total/NA	Solid	8290	
320-19659-19	OM-SS-14-2	Total/NA	Solid	8290	
320-19659-19 - RA	OM-SS-14-2	Total/NA	Solid	8290	
320-19659-20	OM-SS-13-2	Total/NA	Solid	8290	
320-19659-25	OM-SS-11-2	Total/NA	Solid	8290	
320-19659-25 - RA	OM-SS-11-2	Total/NA	Solid	8290	
320-19659-27 - DL	OM-SS-10-2	Total/NA	Solid	8290	
320-19659-27	OM-SS-10-2	Total/NA	Solid	8290	
320-19659-27 - RA	OM-SS-10-2	Total/NA	Solid	8290	
320-19659-29	OM-SS-20	Total/NA	Solid	8290	
320-19659-29 - RA	OM-SS-20	Total/NA	Solid	8290	
320-19659-30	OM-SS-09-2	Total/NA	Solid	8290	
320-19659-30 - DL	OM-SS-09-2	Total/NA	Solid	8290	

TestAmerica Sacramento

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Specialty Organics (Continued)

Prep Batch: 117526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-30 - RA	OM-SS-09-2	Total/NA	Solid	8290	
320-19659-32	OM-SS-08-2	Total/NA	Solid	8290	
320-19659-32 - DL	OM-SS-08-2	Total/NA	Solid	8290	
320-19659-32 - RA	OM-SS-08-2	Total/NA	Solid	8290	
320-19659-34	OM-SS-12-2	Total/NA	Solid	8290	
320-19659-36	OM-SS-21	Total/NA	Solid	8290	
MB 320-117526/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-117526/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-117526/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Analysis Batch: 118160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-1	OM-SS-01-2	Total/NA	Solid	8290A	117526
320-19659-3	OM-SS-02-2	Total/NA	Solid	8290A	117526
320-19659-6	OM-SS-06-2	Total/NA	Solid	8290A	117526
MB 320-117526/1-A	Method Blank	Total/NA	Solid	8290A	117526
LCS 320-117526/2-A	Lab Control Sample	Total/NA	Solid	8290A	117526
LCSD 320-117526/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	117526

Analysis Batch: 118162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-10	OM-SS-05-2	Total/NA	Solid	8290A	117526
320-19659-12	OM-SS-07-2	Total/NA	Solid	8290A	117526
320-19659-14	OM-SS-04-2	Total/NA	Solid	8290A	117526
320-19659-16	OM-SS-15-2	Total/NA	Solid	8290A	117526
320-19659-19	OM-SS-14-2	Total/NA	Solid	8290A	117526
320-19659-20	OM-SS-13-2	Total/NA	Solid	8290A	117526
320-19659-25	OM-SS-11-2	Total/NA	Solid	8290A	117526
320-19659-27	OM-SS-10-2	Total/NA	Solid	8290A	117526
320-19659-29	OM-SS-20	Total/NA	Solid	8290A	117526

Analysis Batch: 118585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-30	OM-SS-09-2	Total/NA	Solid	8290A	117526
320-19659-32	OM-SS-08-2	Total/NA	Solid	8290A	117526
320-19659-34	OM-SS-12-2	Total/NA	Solid	8290A	117526
320-19659-36	OM-SS-21	Total/NA	Solid	8290A	117526

Analysis Batch: 118598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-1 - DL	OM-SS-01-2	Total/NA	Solid	8290A	117526
320-19659-8	OM-SS-03-2	Total/NA	Solid	8290A	117526
320-19659-27 - DL	OM-SS-10-2	Total/NA	Solid	8290A	117526

Analysis Batch: 118613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-19 - RA	OM-SS-14-2	Total/NA	Solid	8290A	117526
320-19659-25 - RA	OM-SS-11-2	Total/NA	Solid	8290A	117526
320-19659-27 - RA	OM-SS-10-2	Total/NA	Solid	8290A	117526
320-19659-29 - RA	OM-SS-20	Total/NA	Solid	8290A	117526

TestAmerica Sacramento

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Specialty Organics (Continued)

Analysis Batch: 118975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-30 - RA	OM-SS-09-2	Total/NA	Solid	8290A	117526
320-19659-32 - RA	OM-SS-08-2	Total/NA	Solid	8290A	117526

Analysis Batch: 119069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-30 - DL	OM-SS-09-2	Total/NA	Solid	8290A	117526
320-19659-32 - DL	OM-SS-08-2	Total/NA	Solid	8290A	117526

General Chemistry

Analysis Batch: 115952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-1	OM-SS-01-2	Total/NA	Solid	D 2216	
320-19659-2	OM-SS-01-5	Total/NA	Solid	D 2216	
320-19659-3	OM-SS-02-2	Total/NA	Solid	D 2216	
320-19659-4	OM-SS-02-5	Total/NA	Solid	D 2216	
320-19659-5	OM-SS-18	Total/NA	Solid	D 2216	
320-19659-6	OM-SS-06-2	Total/NA	Solid	D 2216	
320-19659-7	OM-SS-06-5	Total/NA	Solid	D 2216	
320-19659-8	OM-SS-03-2	Total/NA	Solid	D 2216	
320-19659-9	OM-SS-03-5	Total/NA	Solid	D 2216	
320-19659-10	OM-SS-05-2	Total/NA	Solid	D 2216	
320-19659-11	OM-SS-05-5	Total/NA	Solid	D 2216	
320-19659-12	OM-SS-07-2	Total/NA	Solid	D 2216	
320-19659-13	OM-SS-07-5	Total/NA	Solid	D 2216	
320-19659-14	OM-SS-04-2	Total/NA	Solid	D 2216	
320-19659-15	OM-SS-04-5	Total/NA	Solid	D 2216	
320-19659-16	OM-SS-15-2	Total/NA	Solid	D 2216	
320-19659-19	OM-SS-14-2	Total/NA	Solid	D 2216	
320-19659-20	OM-SS-13-2	Total/NA	Solid	D 2216	
320-19659-22	OM-SS-16	Total/NA	Solid	D 2216	
320-19659-1 DU	OM-SS-01-2	Total/NA	Solid	D 2216	

Analysis Batch: 115962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-23	OM-SS-19	Total/NA	Solid	D 2216	
320-19659-24	OM-SS-17	Total/NA	Solid	D 2216	
320-19659-25	OM-SS-11-2	Total/NA	Solid	D 2216	
320-19659-27	OM-SS-10-2	Total/NA	Solid	D 2216	
320-19659-29	OM-SS-20	Total/NA	Solid	D 2216	
320-19659-30	OM-SS-09-2	Total/NA	Solid	D 2216	
320-19659-31	OM-SS-09-5	Total/NA	Solid	D 2216	
320-19659-32	OM-SS-08-2	Total/NA	Solid	D 2216	
320-19659-33	OM-SS-08-5	Total/NA	Solid	D 2216	
320-19659-34	OM-SS-12-2	Total/NA	Solid	D 2216	
320-19659-36	OM-SS-21	Total/NA	Solid	D 2216	

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-01-2

Date Collected: 06/16/16 08:07

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-01-2

Date Collected: 06/16/16 08:07

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-1

Matrix: Solid

Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			30.12 g	3 mL	116148	06/30/16 11:58	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		10			116636	07/06/16 13:48	UFB	TAL SAC
Total/NA	Prep	8290			9.96 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118160	07/17/16 18:23	ALM	TAL SAC
Total/NA	Prep	8290	DL		9.96 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	DL	50			118598	07/20/16 18:24	ALM	TAL SAC

Client Sample ID: OM-SS-01-5

Date Collected: 06/16/16 08:10

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-02-2

Date Collected: 06/16/16 08:53

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-02-2

Date Collected: 06/16/16 08:53

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-3

Matrix: Solid

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			30.36 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		20			115763	06/29/16 00:41	UFB	TAL SAC
Total/NA	Prep	8290			9.99 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118160	07/17/16 19:09	ALM	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-02-5

Date Collected: 06/16/16 08:56

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-18

Date Collected: 06/16/16 09:00

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-18

Date Collected: 06/16/16 09:00

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-5

Matrix: Solid

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.79 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		10			115763	06/29/16 01:10	UFB	TAL SAC

Client Sample ID: OM-SS-06-2

Date Collected: 06/16/16 09:11

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-06-2

Date Collected: 06/16/16 09:11

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-6

Matrix: Solid

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.10 g	3 mL	116148	06/30/16 11:58	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1			116636	07/07/16 01:35	UFB	TAL SAC
Total/NA	Prep	8290			10.08 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118160	07/17/16 19:55	ALM	TAL SAC

Client Sample ID: OM-SS-06-5

Date Collected: 06/16/16 09:14

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-03-2

Date Collected: 06/16/16 09:25

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-03-2

Date Collected: 06/16/16 09:25

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-8

Matrix: Solid

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			30.76 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		50			115763	06/29/16 01:39	UFB	TAL SAC
Total/NA	Prep	8290			10.06 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		5			118598	07/20/16 16:51	ALM	TAL SAC

Client Sample ID: OM-SS-03-5

Date Collected: 06/16/16 09:28

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-05-2

Date Collected: 06/16/16 09:47

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-05-2

Date Collected: 06/16/16 09:47

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-10

Matrix: Solid

Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.80 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1			115763	06/29/16 02:32	UFB	TAL SAC
Total/NA	Prep	8290			10.03 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 01:02	ALM	TAL SAC

Client Sample ID: OM-SS-05-5

Date Collected: 06/16/16 09:52

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-07-2

Lab Sample ID: 320-19659-12

Date Collected: 06/16/16 10:04

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-07-2

Lab Sample ID: 320-19659-12

Date Collected: 06/16/16 10:04

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 74.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.35 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1			115763	06/29/16 03:01	UFB	TAL SAC
Total/NA	Prep	8290			10.00 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 01:49	ALM	TAL SAC

Client Sample ID: OM-SS-07-5

Lab Sample ID: 320-19659-13

Date Collected: 06/16/16 10:07

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-04-2

Lab Sample ID: 320-19659-14

Date Collected: 06/16/16 10:21

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-04-2

Lab Sample ID: 320-19659-14

Date Collected: 06/16/16 10:21

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 50.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.37 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		5			116479	07/01/16 10:24	RS1	TAL SAC
Total/NA	Prep	8290			10.06 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 02:35	ALM	TAL SAC

Client Sample ID: OM-SS-04-5

Lab Sample ID: 320-19659-15

Date Collected: 06/16/16 10:25

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-15-2

Lab Sample ID: 320-19659-16

Date Collected: 06/16/16 10:32

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-15-2

Lab Sample ID: 320-19659-16

Date Collected: 06/16/16 10:32

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.09 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 03:21	ALM	TAL SAC

Client Sample ID: OM-SS-14-2

Lab Sample ID: 320-19659-19

Date Collected: 06/16/16 10:45

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-14-2

Lab Sample ID: 320-19659-19

Date Collected: 06/16/16 10:45

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 75.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			9.96 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 04:07	ALM	TAL SAC
Total/NA	Prep	8290	RA		9.96 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	RA	1			118613	07/19/16 16:28	SMA	TAL SAC

Client Sample ID: OM-SS-13-2

Lab Sample ID: 320-19659-20

Date Collected: 06/16/16 10:54

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-13-2

Lab Sample ID: 320-19659-20

Date Collected: 06/16/16 10:54

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.03 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 04:53	ALM	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-16

Date Collected: 06/16/16 11:04

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-16

Date Collected: 06/16/16 11:04

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-22

Matrix: Solid

Percent Solids: 59.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.43 g	6 mL	116148	06/30/16 11:58	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		10			116636	07/07/16 02:04	UFB	TAL SAC

Client Sample ID: OM-SS-19

Date Collected: 06/16/16 11:08

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

Client Sample ID: OM-SS-19

Date Collected: 06/16/16 11:08

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-23

Matrix: Solid

Percent Solids: 63.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			30.03 g	6 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		5			116479	07/01/16 10:52	RS1	TAL SAC

Client Sample ID: OM-SS-17

Date Collected: 06/16/16 11:13

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

Client Sample ID: OM-SS-17

Date Collected: 06/16/16 11:13

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-24

Matrix: Solid

Percent Solids: 64.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.48 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		5			115763	06/29/16 04:27	UFB	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-11-2

Lab Sample ID: 320-19659-25

Date Collected: 06/16/16 11:33

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

Client Sample ID: OM-SS-11-2

Lab Sample ID: 320-19659-25

Date Collected: 06/16/16 11:33

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			9.96 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 05:39	ALM	TAL SAC
Total/NA	Prep	8290	RA		9.96 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	RA	1			118613	07/19/16 17:06	SMA	TAL SAC

Client Sample ID: OM-SS-10-2

Lab Sample ID: 320-19659-27

Date Collected: 06/16/16 11:47

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

Client Sample ID: OM-SS-10-2

Lab Sample ID: 320-19659-27

Date Collected: 06/16/16 11:47

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.07 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 06:26	ALM	TAL SAC
Total/NA	Prep	8290	DL		10.07 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	DL	20			118598	07/20/16 17:38	ALM	TAL SAC
Total/NA	Prep	8290	RA		10.07 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	RA	1			118613	07/19/16 19:37	SMA	TAL SAC

Client Sample ID: OM-SS-20

Lab Sample ID: 320-19659-29

Date Collected: 06/16/16 11:55

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-20

Lab Sample ID: 320-19659-29

Date Collected: 06/16/16 11:55

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 57.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			9.99 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118162	07/18/16 07:12	ALM	TAL SAC
Total/NA	Prep	8290	RA		9.99 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	RA	1			118613	07/19/16 17:44	SMA	TAL SAC

Client Sample ID: OM-SS-09-2

Lab Sample ID: 320-19659-30

Date Collected: 06/16/16 12:05

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

Client Sample ID: OM-SS-09-2

Lab Sample ID: 320-19659-30

Date Collected: 06/16/16 12:05

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.96 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		5			115763	06/29/16 04:56	UFB	TAL SAC
Total/NA	Prep	8290			10.09 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118585	07/18/16 21:01	SMA	TAL SAC
Total/NA	Prep	8290	DL		10.09 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	DL	10			119069	07/21/16 20:07	KSS	TAL SAC
Total/NA	Prep	8290	RA		10.09 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	RA	1			118975	07/21/16 12:58	SMA	TAL SAC

Client Sample ID: OM-SS-09-5

Lab Sample ID: 320-19659-31

Date Collected: 06/16/16 12:09

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

Client Sample ID: OM-SS-08-2

Lab Sample ID: 320-19659-32

Date Collected: 06/16/16 12:21

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-08-2

Lab Sample ID: 320-19659-32

Date Collected: 06/16/16 12:21

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3550B			29.78 g	3 mL	115239	06/24/16 13:15	JTN	TAL SAC
Silica Gel Cleanup	Analysis	8015B		10			116479	07/01/16 11:21	RS1	TAL SAC
Total/NA	Prep	8290			10.08 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118585	07/18/16 21:48	SMA	TAL SAC
Total/NA	Prep	8290	DL		10.08 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	DL	10			119069	07/21/16 20:53	KSS	TAL SAC
Total/NA	Prep	8290	RA		10.08 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A	RA	1			118975	07/21/16 13:36	SMA	TAL SAC

Client Sample ID: OM-SS-08-5

Lab Sample ID: 320-19659-33

Date Collected: 06/16/16 12:25

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

Client Sample ID: OM-SS-12-2

Lab Sample ID: 320-19659-34

Date Collected: 06/16/16 12:38

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

Client Sample ID: OM-SS-12-2

Lab Sample ID: 320-19659-34

Date Collected: 06/16/16 12:38

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.03 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118585	07/18/16 22:34	SMA	TAL SAC

Client Sample ID: OM-SS-21

Lab Sample ID: 320-19659-36

Date Collected: 06/16/16 12:45

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115962	06/29/16 14:23	JMD	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Client Sample ID: OM-SS-21

Date Collected: 06/16/16 12:45

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-36

Matrix: Solid

Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.07 g	20 uL	117526	07/12/16 13:07	BNB	TAL SAC
Total/NA	Analysis	8290A		1			118585	07/18/16 23:20	SMA	TAL SAC

Client Sample ID: OM-W

Date Collected: 06/16/16 13:10

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3510C SGC			968.4 mL	3 mL	115045	06/23/16 11:34	NGK	TAL SAC
Silica Gel Cleanup	Analysis	8015B		1			115426	06/27/16 18:13	UFB	TAL SAC
Silica Gel Cleanup	Prep	3510C SGC	RE		953 mL	3 mL	116520	07/05/16 10:54	K1G	TAL SAC
Silica Gel Cleanup	Analysis	8015B	RE	1			116636	07/07/16 12:40	UFB	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Laboratory: TestAmerica Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2897	01-31-18

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8015B	3510C SGC	Water	Motor Oil Range Organics (C24-C40)
8015B	3550B	Solid	Motor Oil Range Organics (C24-C40)
8290A	8290	Solid	1,2,3,4,6,7,8-HpCDD
8290A	8290	Solid	1,2,3,4,6,7,8-HpCDF
8290A	8290	Solid	1,2,3,4,7,8,9-HpCDF
8290A	8290	Solid	1,2,3,4,7,8-HxCDD
8290A	8290	Solid	1,2,3,4,7,8-HxCDF
8290A	8290	Solid	1,2,3,6,7,8-HxCDD
8290A	8290	Solid	1,2,3,6,7,8-HxCDF
8290A	8290	Solid	1,2,3,7,8,9-HxCDD
8290A	8290	Solid	1,2,3,7,8,9-HxCDF
8290A	8290	Solid	1,2,3,7,8-PeCDD
8290A	8290	Solid	1,2,3,7,8-PeCDF
8290A	8290	Solid	2,3,4,6,7,8-HxCDF
8290A	8290	Solid	2,3,4,7,8-PeCDF
8290A	8290	Solid	2,3,7,8-TCDD
8290A	8290	Solid	2,3,7,8-TCDF
8290A	8290	Solid	OCDD
8290A	8290	Solid	OCDF
8290A	8290	Solid	Total HpCDD
8290A	8290	Solid	Total HpCDF
8290A	8290	Solid	Total HxCDD
8290A	8290	Solid	Total HxCDF
8290A	8290	Solid	Total PeCDD
8290A	8290	Solid	Total PeCDF
8290A	8290	Solid	Total TCDD
8290A	8290	Solid	Total TCDF
D 2216		Solid	Percent Moisture

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL SAC
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-19659-1	OM-SS-01-2	Solid	06/16/16 08:07	06/17/16 13:50
320-19659-2	OM-SS-01-5	Solid	06/16/16 08:10	06/17/16 13:50
320-19659-3	OM-SS-02-2	Solid	06/16/16 08:53	06/17/16 13:50
320-19659-4	OM-SS-02-5	Solid	06/16/16 08:56	06/17/16 13:50
320-19659-5	OM-SS-18	Solid	06/16/16 09:00	06/17/16 13:50
320-19659-6	OM-SS-06-2	Solid	06/16/16 09:11	06/17/16 13:50
320-19659-7	OM-SS-06-5	Solid	06/16/16 09:14	06/17/16 13:50
320-19659-8	OM-SS-03-2	Solid	06/16/16 09:25	06/17/16 13:50
320-19659-9	OM-SS-03-5	Solid	06/16/16 09:28	06/17/16 13:50
320-19659-10	OM-SS-05-2	Solid	06/16/16 09:47	06/17/16 13:50
320-19659-11	OM-SS-05-5	Solid	06/16/16 09:52	06/17/16 13:50
320-19659-12	OM-SS-07-2	Solid	06/16/16 10:04	06/17/16 13:50
320-19659-13	OM-SS-07-5	Solid	06/16/16 10:07	06/17/16 13:50
320-19659-14	OM-SS-04-2	Solid	06/16/16 10:21	06/17/16 13:50
320-19659-15	OM-SS-04-5	Solid	06/16/16 10:25	06/17/16 13:50
320-19659-16	OM-SS-15-2	Solid	06/16/16 10:32	06/17/16 13:50
320-19659-19	OM-SS-14-2	Solid	06/16/16 10:45	06/17/16 13:50
320-19659-20	OM-SS-13-2	Solid	06/16/16 10:54	06/17/16 13:50
320-19659-22	OM-SS-16	Solid	06/16/16 11:04	06/17/16 13:50
320-19659-23	OM-SS-19	Solid	06/16/16 11:08	06/17/16 13:50
320-19659-24	OM-SS-17	Solid	06/16/16 11:13	06/17/16 13:50
320-19659-25	OM-SS-11-2	Solid	06/16/16 11:33	06/17/16 13:50
320-19659-27	OM-SS-10-2	Solid	06/16/16 11:47	06/17/16 13:50
320-19659-29	OM-SS-20	Solid	06/16/16 11:55	06/17/16 13:50
320-19659-30	OM-SS-09-2	Solid	06/16/16 12:05	06/17/16 13:50
320-19659-31	OM-SS-09-5	Solid	06/16/16 12:09	06/17/16 13:50
320-19659-32	OM-SS-08-2	Solid	06/16/16 12:21	06/17/16 13:50
320-19659-33	OM-SS-08-5	Solid	06/16/16 12:25	06/17/16 13:50
320-19659-34	OM-SS-12-2	Solid	06/16/16 12:38	06/17/16 13:50
320-19659-36	OM-SS-21	Solid	06/16/16 12:45	06/17/16 13:50
320-19659-37	OM-W	Water	06/16/16 13:10	06/17/16 13:50

TestAmerica Sacramento



Chain-of-Custody Form

Project Number: 20074.063.515.1007.01		Project Name: Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, California		Chain of Custody No.: 061616			
Sampler's (Signature)		Request for Analysis		Page 1 of 3			
Field Sample ID		Date		Additional Requirements			
Matrix		Time		320-19659 Chain of Custody			
Comp.		Grab		Barcode			
No. of Containers		Total Petroleum Hydrocarbons as diesel and motor oil (TPA)		Dioxins/Furans (EPA Method 8290)			
DM-SS-01-2	6/16/16	0807	Soil	2	X	X	HOLD
DM-SS-01-5	6/16/16	0810	Soil	2	X	X	HOLD
DM-SS-02-2	6/16/16	0853	Soil	2	X	X	HOLD
DM-SS-02-5	6/16/16	0856	Soil	2	X	X	HOLD
DM-SS-18	6/16/16	0900	Soil	1	X	X	HOLD
DM-SS-06-2	6/16/16	0911	Soil	2	X	X	HOLD
DM-SS-06-5	6/16/16	0914	Soil	2	X	X	HOLD
DM-SS-03-2	6/16/16	0925	Soil	2	X	X	HOLD
DM-SS-03-5	6/16/16	0928	Soil	2	X	X	HOLD
DM-SS-05-2	6/16/16	0947	Soil	2	X	X	HOLD
DM-SS-05-5	6/16/16	0952	Soil	2	X	X	HOLD
DM-SS-07-2	6/16/16	1004	Soil	2	X	X	HOLD
DM-SS-07-5	6/16/16	1007	Soil	2	X	X	HOLD
Relinquished by: (Signature and affiliation)		Date and Time: 6/17/16 1350		Received by: (Signature and affiliation)		Date and Time: 6-17-16 1350	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)		Date and Time:	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)		Date and Time:	
Notes:		Date and Time:		Received by: (Signature and affiliation)		Date and Time:	
Data package: Level III		Turnaround time: 10-day TAT business days		For Laboratory Use Only		Signature: Y. G. V. S. A. V.	



Chain-of-Custody Form

Project Number: 20074.063.515.1007.01		Project Name: Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, California		Chain of Custody No.: 061616	
Sampler's (Signature)		Request for Analysis		Page 2 of 3	
Field Sample ID	Date	Time	Comp.	Grab	Matrix
0M-SS-04-2	6/16/16	1021			Soil
0M-SS-04-5	6/16/16	1025			Soil
0M-SS-15-2	6/16/16	1032			Soil
0M-SS-15-5	6/16/16	1036			Soil
0M-SS-14-5	6/16/16	1042			Soil
0M-SS-14-2	6/16/16	1045			Soil
0M-SS-13-2	6/16/16	1054			Soil
0M-SS-13-5	6/16/16	1057			Soil
0M-SS-16	6/16/16	1104			Soil
0M-SS-19	6/16/16	1108			Soil
0M-SS-17	6/16/16	1113			Soil
0M-SS-11-2	6/16/16	1133			Soil
0M-SS-11-5	6/16/16	1144			Soil
Relinquished by: (Signature and affiliation)		Date and Time: 6/17/16 1350		Received by: (Signature and affiliation)	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)	
Notes:		Data package: Level III		For Laboratory Use Only	
Turnaround time: 10-day TAT business days					



Chain-of-Custody Form

Project Number: 20074.063.515.1007.01		Project Name: Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, California		Chain of Custody No.: 061616 Page 3 of 3	
Sampler's (Signature)		Request for Analysis		Additional Requirements	
Field Sample ID	Date	Time	Comp.	Grab	Matrix
DM-SS-10-2	6/16/16	1147			Soil
DM-SS-10-5	6/16/16	1151			Soil
DM-SS-20	6/16/16	1155			Soil
DM-SS-09-2	6/16/16	1205			Soil
DM-SS-09-5	6/16/16	1209			Soil
DM-SS-08-2	6/16/16	1221			Soil
DM-SS-08-5	6/16/16	1225			Soil
DM-SS-12-2	6/16/16	1238			Soil
DM-SS-12-5	6/16/16	1242			Soil
DM-SS-21	6/16/16	1245			Soil
DM-W	6/16/16	1310			Soil
	6/ /16				Soil
	6/ /16				Soil
Relinquished by: (Signature and affiliation)		Date and Time: 6/17/16 1352		Received by: (Signature and affiliation)	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)	
Notes:				For Laboratory Use Only	
Data package: Level III					
Turnaround time: 10-day TAT business days					

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 320-19659-1

Login Number: 19659

List Source: TestAmerica Sacramento

List Number: 1

Creator: Nelson, Kym D

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	-37: COC lists as soill, but it is a water
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

**MT. SHASTA OLD MILL
MT. SHASTA, SISKIYOU COUNTY, CALIFORNIA
DATA VALIDATION REPORT**

Date: October 12, 2016

Laboratory: TestAmerica Laboratories, Inc., West Sacramento, CA

Laboratory Job Number: 320-19659-2

Data Validation Performed By: Mindy Song, CSS-Dynamac

Weston Work Order #: 20074.063.515.1007.01

This data validation report has been prepared by CSS-Dynamac. This report documents the data validation for 15 soil samples collected for the Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County Site that were analyzed for the following parameters and U.S. Environmental Protection Agency methods:

- Dioxins and Furans by SW-846 Method 8290A

A level II data package was requested from TestAmerica Laboratories, Inc. The data validation was conducted in general accordance with the EPA "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated August 2014 and "Contract Laboratory Program National Functional Guidelines for Chlorinated Dibenzo-p-Dioxins and Chlorinated Dibenzofurans Data Review" dated August 2011. The Attachment contains the results summary sheets with the hand-written qualifiers applied during data validation.

DIOXINS AND FURANS BY SW-846 METHOD 8290A

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Prepared	Date Analyzed
OM-SS-01-5	320-19659-2	Soil	6/16/16	7/11/16	8/22/16
OM-SS-02-5	320-19659-4	Soil	6/16/16	7/11/16	8/22/16
OM-SS-06-5	320-19659-7	Soil	6/16/16	7/11/16	8/22/16
OM-SS-03-5	320-19659-9	Soil	6/16/16	7/11/16	8/22/16
OM-SS-05-5	320-19659-11	Soil	6/16/16	7/11/16	8/22/16
OM-SS-07-5	320-19659-13	Soil	6/16/16	7/11/16	8/23/16
OM-SS-04-5	320-19659-15	Soil	6/16/16	7/11/16	8/23/16
OM-SS-15-5	320-19659-17	Soil	6/16/16	7/11/16	8/23/16
OM-SS-14-5	320-19659-18	Soil	6/16/16	7/11/16	8/23/16
OM-SS-13-5	320-19659-21	Soil	6/16/16	7/11/16	8/23/16
OM-SS-11-5	320-19659-26	Soil	6/16/16	7/11/16	8/23/16
OM-SS-10-5	320-19659-28	Soil	6/16/16	7/11/16	8/23/16
OM-SS-09-5	320-19659-31	Soil	6/16/16	7/11/16	8/23/16
OM-SS-08-5	320-19659-33	Soil	6/16/16	7/11/16	8/23/16
OM-SS-12-5	320-19659-35	Soil	6/16/16	7/11/16	8/23/16

1. Data Verification Check

A data verification and completeness check was performed in accordance with the Stage 1 and 2A verification checks outlined in the EPA "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use" dated January 13, 2009. For the Dioxins/Furans analyses, all analytical data package items were received from the laboratory and the analyses requested were performed.

2. Holding Times

The samples were analyzed within the required holding time limit of 30 days from sample collection to extraction and 45 days from extraction to analysis.

3. Blanks

Method blank was analyzed with the Dioxins/Furans analyses. The method blank was free of target compound contamination above the reporting limits.

4. Surrogate Results

The surrogate recoveries were within the laboratory-established QC limits.

5. Laboratory Control Sample (LCS) Results

The LCS recoveries were within laboratory QC limits except following: The recovery of 1,2,3,4,6,7,8-HpCDD was slightly above the upper control limit and the detected results of 1,2,3,4,6,7,8-HpCDD in the samples were qualified as estimated (J).

6. Laboratory Duplicate Results/Field Duplicate Results

Laboratory duplicate was not analyzed but LCS Duplicate (LCSD) was analyzed. All relative percent differences (RPDs) except 1,2,3,4,6,7,8-HpCDD were within the control limits. The detected results of 1,2,3,4,6,7,8-HpCDD in the samples were qualified as estimated (J).

Sample OM-SS-20 was a field duplicate of sample OM-SS-10-5. The relative percent differences (RPDs) of 2,3,7,8-TCDD and 2,3,7,8-TCDF were within the control limits. The RPDs of target analytes except 2,3,7,8-TCDD and 2,3,7,8-TCDF were outside of control limits and the detected results in samples OM-SS-20 and OM-SS-10-5 were qualified as estimated (J).

7. Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results

Site-specific MS and MSD were not analyzed.

8. Overall Assessment

TestAmerica flagged sample results with the following laboratory qualifiers:

B: Indicates that compound was found in the blank and sample. The data validator removed these qualifiers.

J: Indicates that the concentration is an approximate value because the analyte concentration is below the reporting limit (RL) and above the method detection limit (MDL). These qualifiers were left in place by the data validator.

*: Indicates that LCS or LCSD is outside acceptance limits. The data validator removed these qualifiers and added 'J' qualifiers.

G: Indicates that the reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference. The data validator removed these qualifiers.

Data Validation Report – October 12, 2016
Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, CA
Laboratory: TestAmerica Laboratories, Inc.
Laboratory Job Number: 320-19659-2

E: Indicates result exceeded calibration range. The data validator removed these qualifiers and added “J” qualifiers.

q: Indicates that the reported concentration is the estimated maximum possible concentration (EMPC) of the analyte, quantitated using the theoretical ion ratio. The measured ion ratio did not meet qualitative identification criteria and indicates a possible interference. The data validator removed these qualifiers and added “J” qualifiers.

The Dioxins and Furans data are acceptable for use as qualified based on the information received.

Data Validation Report – October 12, 2016
Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, CA
Laboratory: TestAmerica Laboratories, Inc.
Laboratory Job Number: 320-19659-2

ATTACHMENT

**TESTAMERICA LABORATORIES INC
RESULTS SUMMARY WITH QUALIFIERS**

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-01-5

Lab Sample ID: 320-19659-2

Date Collected: 06/16/16 08:10

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 70.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	U	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
2,3,7,8-TCDF	0.00000024	J	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,7,8-PeCDD	0.000000029	J q	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,7,8-PeCDF	0.000000027	J q	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
2,3,4,7,8-PeCDF	0.000000035	J q	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,7,8-HxCDD	0.000000062	J	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,6,7,8-HxCDD	0.00000010	J q-B	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,7,8,9-HxCDD	0.00000017	J	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,7,8-HxCDF	0.00000014	J B	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,6,7,8-HxCDF	ND	U	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
2,3,4,6,7,8-HxCDF	0.000000042	J	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,6,7,8-HpCDD	0.000033	B J	0.0000071	0.0000020	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,6,7,8-HpCDF	0.00000038	J B	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,7,8,9-HpCDF	0.000000050	J q-B	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
OCDF	0.00000047	J B	0.000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
Total TCDD	0.00000020	J	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
Total TCDF	0.00000032	J q	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
Total PeCDD	0.000000029	J q	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
Total PeCDF	0.000000061	J q	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
Total HxCDD	0.00000058	J q-B	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
Total HxCDF	0.00000018	J B	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
Total HpCDD	0.000073	B	0.0000071	0.0000020	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1
Total HpCDF	0.0000015	J q-B	0.0000071	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 20:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	84		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-2,3,7,8-TCDF	90		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,7,8-PeCDD	89		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,7,8-PeCDF	90		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,4,7,8-HxCDF	89		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,4,6,7,8-HpCDD	91		40 - 135	07/11/16 14:06	08/22/16 20:46	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-01-5

Lab Sample ID: 320-19659-2

Date Collected: 06/16/16 08:10

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 70.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
¹³ C-1,2,3,4,6,7,8-HpCDF	91		40 - 135	07/11/16 14:06	08/22/16 20:46	1
¹³ C-OCDD	77		40 - 135	07/11/16 14:06	08/22/16 20:46	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.051	B	0.00028	0.000049	mg/Kg	✱	07/11/16 14:06	08/23/16 20:09	20
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	80		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-2,3,7,8-TCDF	88		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,7,8-PeCDD	82		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,7,8-PeCDF	89		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,6,7,8-HxCDD	87		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,4,7,8-HxCDF	89		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,4,6,7,8-HpCDD	103		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,4,6,7,8-HpCDF	106		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-OCDD	107		40 - 135				07/11/16 14:06	08/23/16 20:09	20

Client Sample ID: OM-SS-02-5

Lab Sample ID: 320-19659-4

Date Collected: 06/16/16 08:56

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 74.3

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	u	0.0000013	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				32					
2,3,7,8-TCDF	ND	u	0.0000013	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				19					
1,2,3,7,8-PeCDD	ND	u	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				46					
1,2,3,7,8-PeCDF	ND	u	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				23					
2,3,4,7,8-PeCDF	ND	u	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				24					
1,2,3,4,7,8-HxCDD	0.00000011	J	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				42					
1,2,3,6,7,8-HxCDD	0.00000044	J	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				38					
1,2,3,7,8,9-HxCDD	0.00000031	J	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				33					
1,2,3,4,7,8-HxCDF	0.00000089	J	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				35					
1,2,3,6,7,8-HxCDF	0.00000051	J	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				32					
1,2,3,7,8,9-HxCDF	ND	u	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				34					
2,3,4,6,7,8-HxCDF	ND	u	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				34					
1,2,3,4,6,7,8-HpCDD	0.00000041	J	0.0000067	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				4					
1,2,3,4,6,7,8-HpCDF	0.00000028	J	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				33					
1,2,3,4,7,8,9-HpCDF	ND	u	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				40					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-02-5

Lab Sample ID: 320-19659-4

Date Collected: 06/16/16 08:56

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 74.3

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.000038	B	0.000013	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				75					
OCDF	0.0000016	J B	0.000013	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				32					
Total TCDD	ND	u	0.0000013	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				32					
Total TCDF	ND	u	0.0000013	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				19					
Total PeCDD	0.000000066	J & Emf	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				46					
Total PeCDF	ND	u	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				24					
Total HxCDD	0.0000026	J B	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				38					
Total HxCDF	0.0000015	J & B Emf	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				34					
Total HpCDD	0.0000074	B	0.0000067	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				4					
Total HpCDF	0.0000053	J B	0.0000067	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 21:32	1
				37					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	76		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-2,3,7,8-TCDF	83		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,7,8-PeCDD	81		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,7,8-PeCDF	84		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,6,7,8-HxCDD	85		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,4,7,8-HxCDF	86		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,4,6,7,8-HpCDD	88		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,4,6,7,8-HpCDF	91		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-OCDD	76		40 - 135				07/11/16 14:06	08/22/16 21:32	1

Client Sample ID: OM-SS-06-5

Lab Sample ID: 320-19659-7

Date Collected: 06/16/16 09:14

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 77.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	u	0.0000013	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 22:17	1
				23					
2,3,7,8-TCDF	ND	u	0.0000013	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 22:17	1
				14					
1,2,3,7,8-PeCDD	ND	u	0.0000064	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 22:17	1
				33					
1,2,3,7,8-PeCDF	ND	u	0.0000064	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 22:17	1
				21					
2,3,4,7,8-PeCDF	ND	u	0.0000064	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 22:17	1
				22					
1,2,3,4,7,8-HxCDD	0.00000012	J & Emf	0.0000064	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 22:17	1
				35					
1,2,3,6,7,8-HxCDD	0.00000089	J B	0.0000064	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 22:17	1
				32					
1,2,3,7,8,9-HxCDD	0.00000031	J	0.0000064	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 22:17	1
				28					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-06-5

Lab Sample ID: 320-19659-7

Date Collected: 06/16/16 09:14

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 77.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,7,8-HxCDF	0.00000022	J B	0.0000064	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				55					
1,2,3,6,7,8-HxCDF	0.00000018	J	0.0000064	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				50					
1,2,3,7,8,9-HxCDF	ND	U	0.0000064	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				53					
2,3,4,6,7,8-HxCDF	0.00000020	J	0.0000064	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				54					
1,2,3,4,6,7,8-HpCDD	0.0000024	B J	0.0000064	0.0000002	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				0					
1,2,3,4,6,7,8-HpCDF	0.0000022	B	0.0000064	0.0000001	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				4					
1,2,3,4,7,8,9-HpCDF	ND	U	0.0000064	0.0000001	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				7					
OCDD	0.00030	B	0.000013	0.0000002	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				3					
OCDF	0.000016	B	0.000013	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				33					
Total TCDD	0.00000022	J a EMP	0.0000013	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				23					
Total TCDF	0.000000078	J a EMP	0.0000013	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				14					
Total PeCDD	0.00000016	J	0.0000064	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				33					
Total PeCDF	0.00000089	J a EMP	0.0000064	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				22					
Total HxCDD	0.0000042	J a B EMP	0.0000064	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				32					
Total HxCDF	0.0000077	B	0.0000064	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				53					
Total HpCDD	0.000043	B	0.0000064	0.0000002	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				0					
Total HpCDF	0.000042	B	0.0000064	0.0000001	mg/Kg	✱	07/11/16 14:06	08/22/16 22:17	1
				5					

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	84		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-2,3,7,8-TCDF	87		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,7,8-PeCDD	82		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,7,8-PeCDF	86		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,6,7,8-HxCDD	90		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,4,7,8-HxCDF	90		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,4,6,7,8-HpCDD	88		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,4,6,7,8-HpCDF	93		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-OCDD	80		40 - 135	07/11/16 14:06	08/22/16 22:17	1

Client Sample ID: OM-SS-03-5

Lab Sample ID: 320-19659-9

Date Collected: 06/16/16 09:28

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 79.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000052	J	0.0000012	0.0000000	mg/Kg	✱	07/11/16 14:06	08/22/16 23:03	1
				70					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-03-5

Lab Sample ID: 320-19659-9

Date Collected: 06/16/16 09:28

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 79.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000035	J	0.0000012	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				34					
1,2,3,7,8-PeCDD	0.00000015	J	0.0000062	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				7					
1,2,3,7,8-PeCDF	0.00000040	J	0.0000062	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				7					
2,3,4,7,8-PeCDF	0.00000056	J	0.0000062	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				8					
1,2,3,4,7,8-HxCDD	0.00000038	J	0.0000062	0.0000002	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				4					
1,2,3,6,7,8-HxCDD	0.00000037	B	0.0000062	0.0000002	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				2					
1,2,3,7,8,9-HxCDD	0.00000082		0.0000062	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				9					
1,2,3,4,7,8-HxCDF	0.00000036	J	0.0000062	0.0000005	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				6					
1,2,3,6,7,8-HxCDF	0.00000035	J	0.0000062	0.0000005	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				0					
1,2,3,7,8,9-HxCDF	ND	U	0.0000062	0.0000005	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				3					
2,3,4,6,7,8-HxCDF	0.00000036	J	0.0000062	0.0000005	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				4					
1,2,3,4,6,7,8-HpCDD	0.00051	B-J	0.0000062	0.0000032	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
1,2,3,4,6,7,8-HpCDF	0.00042	B	0.0000062	0.0000032	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
1,2,3,4,7,8,9-HpCDF	0.00000043	J-B	0.0000062	0.0000039	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
OCDD	0.0046	B	0.000012	0.0000032	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
OCDF	0.00021	B	0.000012	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				1					
Total TCDD	0.000021	J	0.0000012	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				70					
Total TCDF	0.0000040		0.0000012	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				34					
Total PeCDD	0.000019	J	0.0000062	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				7					
Total PeCDF	0.000017	J	0.0000062	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				8					
Total HxCDD	0.00021	B	0.0000062	0.0000002	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				1					
Total HxCDF	0.00016	B	0.0000062	0.0000005	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
				3					
Total HpCDD	0.00093	B	0.0000062	0.0000032	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
Total HpCDF	0.00071	B	0.0000062	0.0000036	mg/Kg	*	07/11/16 14:06	08/22/16 23:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-2,3,7,8-TCDF	84		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,7,8-PeCDD	83		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,7,8-PeCDF	85		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,4,7,8-HxCDF	86		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,4,6,7,8-HpCDD	89		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,4,6,7,8-HpCDF	91		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-OCDD	86		40 - 135				07/11/16 14:06	08/22/16 23:03	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-05-5

Lab Sample ID: 320-19659-11

Date Collected: 06/16/16 09:52

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 65.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				21					
2,3,7,8-TCDF	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				14					
1,2,3,7,8-PeCDD	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				32					
1,2,3,7,8-PeCDF	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				22					
2,3,4,7,8-PeCDF	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				22					
1,2,3,4,7,8-HxCDD	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				36					
1,2,3,6,7,8-HxCDD	0.000000076	JB	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				32					
1,2,3,7,8,9-HxCDD	0.000000051	J q-B-Empf	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				28					
1,2,3,4,7,8-HxCDF	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				36					
1,2,3,6,7,8-HxCDF	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				32					
1,2,3,7,8,9-HxCDF	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				34					
2,3,4,6,7,8-HxCDF	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				35					
1,2,3,4,6,7,8-HpCDD	0.000000043	JB J	0.0000076	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				3					
1,2,3,4,6,7,8-HpCDF	ND	U	0.0000076	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				2					
1,2,3,4,7,8,9-HpCDF	ND	U	0.0000076	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				4					
OCDD	0.00000031	JB	0.000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				58					
OCDF	ND	U	0.000015	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				8					
Total TCDD	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				21					
Total TCDF	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				14					
Total PeCDD	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				32					
Total PeCDF	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				22					
Total HxCDD	0.00000013	J q-B-Empf	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				32					
Total HxCDF	ND	U	0.0000076	0.0000000	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				36					
Total HpCDD	0.000000067	J q-B-Empf	0.0000076	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				3					
Total HpCDF	ND	U	0.0000076	0.0000001	mg/Kg	*	07/11/16 14:06	08/22/16 23:49	1
				4					

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	86		40 - 135	07/11/16 14:06	08/22/16 23:49	1
13C-2,3,7,8-TCDF	92		40 - 135	07/11/16 14:06	08/22/16 23:49	1
13C-1,2,3,7,8-PeCDD	89		40 - 135	07/11/16 14:06	08/22/16 23:49	1
13C-1,2,3,7,8-PeCDF	91		40 - 135	07/11/16 14:06	08/22/16 23:49	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-05-5

Lab Sample ID: 320-19659-11

Date Collected: 06/16/16 09:52

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 65.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
¹³ C-1,2,3,6,7,8-HxCDD	91		40 - 135	07/11/16 14:06	08/22/16 23:49	1
¹³ C-1,2,3,4,7,8-HxCDF	91		40 - 135	07/11/16 14:06	08/22/16 23:49	1
¹³ C-1,2,3,4,6,7,8-HpCDD	94		40 - 135	07/11/16 14:06	08/22/16 23:49	1
¹³ C-1,2,3,4,6,7,8-HpCDF	95		40 - 135	07/11/16 14:06	08/22/16 23:49	1
¹³ C-OCDD	85		40 - 135	07/11/16 14:06	08/22/16 23:49	1

Client Sample ID: OM-SS-07-5

Lab Sample ID: 320-19659-13

Date Collected: 06/16/16 10:07

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				24					
2,3,7,8-TCDF	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				15					
1,2,3,7,8-PeCDD	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				39					
1,2,3,7,8-PeCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				21					
2,3,4,7,8-PeCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				22					
1,2,3,4,7,8-HxCDD	1.000000063	J <i>g Conf</i>	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				37					
1,2,3,6,7,8-HxCDD	0.00000046	J <i>B</i>	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				34					
1,2,3,7,8,9-HxCDD	0.00000023	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				29					
1,2,3,4,7,8-HxCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				37					
1,2,3,6,7,8-HxCDF	1.000000051	J <i>g Conf</i>	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				34					
1,2,3,7,8,9-HxCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				36					
2,3,4,6,7,8-HxCDF	1.000000050	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				36					
1,2,3,4,6,7,8-HpCDD	0.00000078	B <i>J</i>	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				3					
1,2,3,4,6,7,8-HpCDF	0.00000038	J <i>B</i>	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				47					
1,2,3,4,7,8,9-HpCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				57					
OCDD	0.0000095	B	0.000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				86					
OCDF	0.00000026	J <i>B</i>	0.000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				60					
Total TCDD	0.00000011	J	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				24					
Total TCDF	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				15					
Total PeCDD	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				39					
Total PeCDF	1.000000093	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				22					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-07-5

Lab Sample ID: 320-19659-13

Date Collected: 06/16/16 10:07

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.0000027	J <i>q-B</i>	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				34					
Total HxCDF	0.0000015	J <i>q-B</i>	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				36					
Total HpCDD	0.0000015	<i>B</i>	0.0000073	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				3					
Total HpCDF	0.0000068	J <i>q-B</i>	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 00:35	1
				52					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	70		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-2,3,7,8-TCDF	72		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,7,8-PeCDD	67		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,7,8-PeCDF	71		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,6,7,8-HxCDD	73		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,4,7,8-HxCDF	75		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,4,6,7,8-HpCDD	80		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,4,6,7,8-HpCDF	78		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-OCDD	74		40 - 135				07/11/16 14:06	08/23/16 00:35	1

Client Sample ID: OM-SS-04-5

Lab Sample ID: 320-19659-15

Date Collected: 06/16/16 10:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 60.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000050	J	0.0000016	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				68					
2,3,7,8-TCDF	0.00000035	J	0.0000016	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				4					
1,2,3,7,8-PeCDD	0.00000028	J	0.0000082	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				89					
1,2,3,7,8-PeCDF	0.00000079	J <i>q-B</i>	0.0000082	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				6					
2,3,4,7,8-PeCDF	0.00000010	J	0.0000082	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				7					
1,2,3,4,7,8-HxCDD	0.00000077	J	0.0000082	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				6					
1,2,3,6,7,8-HxCDD	0.0000045	<i>B</i>	0.0000082	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				4					
1,2,3,7,8,9-HxCDD	0.0000013		0.0000082	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				0					
1,2,3,4,7,8-HxCDF	0.00000058	J <i>B</i>	0.0000082	0.0000010	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
1,2,3,6,7,8-HxCDF	0.00000054	J	0.0000082	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				0					
1,2,3,7,8,9-HxCDF	ND	<i>U</i>	0.0000082	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				5					
2,3,4,6,7,8-HxCDF	0.00000050	J	0.0000082	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				6					
1,2,3,4,6,7,8-HpCDD	0.000095	<i>B</i> <i>J</i>	0.0000082	0.0000070	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
1,2,3,4,6,7,8-HpCDF	0.000062	<i>B</i>	0.0000082	0.0000037	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
1,2,3,4,7,8,9-HpCDF	0.0000078	J <i>B</i>	0.0000082	0.0000044	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
OCDD	0.0089	<i>B</i> <i>J</i>	0.0000016	0.0000056	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-04-5

Lab Sample ID: 320-19659-15

Date Collected: 06/16/16 10:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 60.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDF	0.00056	B	0.000016	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				1					
Total TCDD	0.000013	q J	0.0000016	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				68					
Total TCDF	0.0000067	q J	0.0000016	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				4					
Total PeCDD	0.000020	q J	0.0000082	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				89					
Total PeCDF	0.000033	q J	0.0000082	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				7					
Total HxCDD	0.00024	B	0.0000082	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				4					
Total HxCDF	0.00029	B	0.0000082	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
				5					
Total HpCDD	0.0017	B	0.0000082	0.0000070	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
Total HpCDF	0.0012	B	0.0000082	0.0000040	mg/Kg	*	07/11/16 14:06	08/23/16 04:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	84		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-2,3,7,8-TCDF	85		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,7,8-PeCDD	84		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,7,8-PeCDF	87		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,6,7,8-HxCDD	93		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,4,7,8-HxCDF	98		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,4,6,7,8-HpCDD	78		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-OCDD	75		40 - 135				07/11/16 14:06	08/23/16 04:55	1

Client Sample ID: OM-SS-15-5

Lab Sample ID: 320-19659-17

Date Collected: 06/16/16 10:36

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	u	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				25					
2,3,7,8-TCDF	0.00000044	J	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				23					
1,2,3,7,8-PeCDD	0.00000052	J	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				34					
1,2,3,7,8-PeCDF	0.00000012	J	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				29					
2,3,4,7,8-PeCDF	0.00000080	J q	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				30					
1,2,3,4,7,8-HxCDD	0.00000066	J q	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				25					
1,2,3,6,7,8-HxCDD	0.00000095	J B q	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				23					
1,2,3,7,8,9-HxCDD	0.00000073	J	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				20					
1,2,3,4,7,8-HxCDF	0.00000021	J B	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				35					
1,2,3,6,7,8-HxCDF	0.00000013	J	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				32					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-15-5

Lab Sample ID: 320-19659-17

Date Collected: 06/16/16 10:36

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8,9-HxCDF	0.00000059	J g	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				34					
2,3,4,6,7,8-HxCDF	0.00000084	J	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				34					
1,2,3,4,6,7,8-HpCDD	0.0000012	J B	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				41					
1,2,3,4,6,7,8-HpCDF	0.0000017	J B	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				43					
1,2,3,4,7,8,9-HpCDF	0.00000024	J B	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				51					
OCDD	0.000015	B	0.000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				51					
OCDF	0.0000043	J B	0.000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				39					
Total TCDD	0.00000019	J g	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				25					
Total TCDF	0.0000015	g J	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				23					
Total PeCDD	0.00000018	J g	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				34					
Total PeCDF	0.00000045	J g	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				29					
Total HxCDD	0.00000083	J B g	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				23					
Total HxCDF	0.00000076	J B g	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				34					
Total HpCDD	0.0000030	J B	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				41					
Total HpCDF	0.0000031	J B	0.0000072	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 05:41	1
				47					

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135	07/11/16 14:06	08/23/16 05:41	1
13C-2,3,7,8-TCDF	86		40 - 135	07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,7,8-PeCDD	80		40 - 135	07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,7,8-PeCDF	85		40 - 135	07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,6,7,8-HxCDD	89		40 - 135	07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,4,7,8-HxCDF	88		40 - 135	07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135	07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,4,6,7,8-HpCDF	84		40 - 135	07/11/16 14:06	08/23/16 05:41	1
13C-OCDD	75		40 - 135	07/11/16 14:06	08/23/16 05:41	1

Client Sample ID: OM-SS-14-5

Lab Sample ID: 320-19659-18

Date Collected: 06/16/16 10:42

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 74.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000098		0.0000013	0.0000007	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				9					
1,2,3,7,8-PeCDD	0.000022		0.0000067	0.0000004	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				0					
1,2,3,7,8-PeCDF	0.0000022	J g	0.0000067	0.0000007	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				9					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-14-5

Lab Sample ID: 320-19659-18

Date Collected: 06/16/16 10:42

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 74.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,7,8-PeCDF	0.0000026	J	0.0000067	0.0000008	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				2					
1,2,3,4,7,8-HxCDD	0.000073		0.0000067	0.0000012	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
1,2,3,6,7,8-HxCDD	0.00030	B	0.0000067	0.0000011	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
1,2,3,7,8,9-HxCDD	0.000076		0.0000067	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				2					
1,2,3,4,7,8-HxCDF	0.000020	B	0.0000067	0.0000035	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
1,2,3,6,7,8-HxCDF	0.000019		0.0000067	0.0000031	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000067	0.0000033	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
2,3,4,6,7,8-HxCDF	0.000020		0.0000067	0.0000033	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
1,2,3,4,6,7,8-HpCDF	0.0023	BG	0.000010	0.000010	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
1,2,3,4,7,8,9-HpCDF	0.000027	BG	0.000012	0.000012	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
OCDF	0.0016	B	0.000013	0.0000005	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				1					
Total TCDD	0.00031		0.0000013	0.0000007	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				9					
Total TCDF	0.000020	g-EMH J	0.0000013	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				8					
Total PeCDD	0.00018		0.0000067	0.0000004	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				0					
Total PeCDF	0.00011	g-EMH J	0.0000067	0.0000008	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
				1					
Total HxCDD	0.0015	B	0.0000067	0.0000011	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
Total HxCDF	0.0011	B	0.0000067	0.0000033	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
Total HpCDF	0.0044	BG	0.000011	0.000011	mg/Kg	*	07/11/16 14:06	08/23/16 06:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	78		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-2,3,7,8-TCDF	83		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,7,8-PeCDD	77		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,7,8-PeCDF	82		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,4,7,8-HxCDF	83		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,4,6,7,8-HpCDF	87		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-OCDD	72		40 - 135				07/11/16 14:06	08/23/16 06:26	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	0.0031	B-J	0.000033	0.000021	mg/Kg	*	07/11/16 14:06	08/23/16 19:23	5
OCDD	0.020	B	0.000067	0.000013	mg/Kg	*	07/11/16 14:06	08/23/16 19:23	5
Total HpCDD	0.0053	B	0.000033	0.000021	mg/Kg	*	07/11/16 14:06	08/23/16 19:23	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-2,3,7,8-TCDF	87		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,7,8-PeCDD	77		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,7,8-PeCDF	85		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,6,7,8-HxCDD	82		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,4,7,8-HxCDF	80		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,4,6,7,8-HpCDD	95		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,4,6,7,8-HpCDF	100		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-OCDD	93		40 - 135				07/11/16 14:06	08/23/16 19:23	5

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000086	J	0.0000013	0.0000002	mg/Kg	✱	07/11/16 14:06	08/23/16 18:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	87		40 - 135	07/11/16 14:06	08/23/16 18:55	1

Client Sample ID: OM-SS-13-5

Lab Sample ID: 320-19659-21

Date Collected: 06/16/16 10:57

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 49.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	u	0.0000020	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				49					
2,3,7,8-TCDF	0.00000035	J	0.0000020	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				46					
1,2,3,7,8-PeCDD	0.00000073	J	0.0000010	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				84					
1,2,3,7,8-PeCDF	0.00000051	J g	0.0000010	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				97					
2,3,4,7,8-PeCDF	0.00000073	J	0.0000010	0.0000001	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				0					
1,2,3,4,7,8-HxCDD	0.0000013	J g	0.0000010	0.0000001	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				2					
1,2,3,6,7,8-HxCDD	0.0000011	B	0.0000010	0.0000001	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				1					
1,2,3,7,8,9-HxCDD	0.0000034	J	0.0000010	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				91					
1,2,3,4,7,8-HxCDF	0.0000027	J B g	0.0000010	0.0000002	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				5					
1,2,3,6,7,8-HxCDF	0.0000027	J	0.0000010	0.0000002	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				3					
1,2,3,7,8,9-HxCDF	ND	u	0.0000010	0.0000002	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				4					
2,3,4,6,7,8-HxCDF	0.0000026	J	0.0000010	0.0000002	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				4					
1,2,3,4,6,7,8-HpCDD	0.00014	B J	0.0000010	0.0000005	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				8					
1,2,3,4,6,7,8-HpCDF	0.00023	B	0.0000010	0.0000008	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				8					
1,2,3,4,7,8,9-HpCDF	0.0000018	J B	0.0000010	0.0000011	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
OCDD	0.00098	B	0.0000020	0.0000004	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				2					
OCDF	0.00010	B	0.0000020	0.0000001	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				1					
Total TCDD	0.0000043	J J	0.0000020	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				49					
Total TCDF	0.0000032	J J	0.0000020	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				46					
Total PeCDD	0.0000056	J g	0.0000010	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				84					
Total PeCDF	0.0000017	J J	0.0000010	0.0000000	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				99					
Total HxCDD	0.000055	B g J	0.0000010	0.0000001	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				0					
Total HxCDF	0.00011	B g J	0.0000010	0.0000002	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				4					
Total HpCDD	0.00025	B	0.0000010	0.0000005	mg/Kg	✱	07/11/16 14:06	08/23/16 07:12	1
				8					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-13-5

Lab Sample ID: 320-19659-21

Date Collected: 06/16/16 10:57

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 49.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Method: 8290A - Dioxins and furans (HRGC/HRMS) (EPA 8210)									
Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HpCDF	0.00038	B	0.000010	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 07:12	1
					7				
Isotope Dilution	%Recovery	Qualifier	Limits						
13C-2,3,7,8-TCDD	70		40 - 135	07/11/16 14:06 08/23/16 07:12 1					
13C-2,3,7,8-TCDF	69		40 - 135	07/11/16 14:06 08/23/16 07:12 1					
13C-1,2,3,7,8-PeCDD	74		40 - 135	07/11/16 14:06 08/23/16 07:12 1					
13C-1,2,3,7,8-PeCDF	74		40 - 135	07/11/16 14:06 08/23/16 07:12 1					
13C-1,2,3,6,7,8-HxCDD	76		40 - 135	07/11/16 14:06 08/23/16 07:12 1					
13C-1,2,3,4,7,8-HxCDF	82		40 - 135	07/11/16 14:06 08/23/16 07:12 1					
13C-1,2,3,4,6,7,8-HpCDD	63		40 - 135	07/11/16 14:06 08/23/16 07:12 1					
13C-1,2,3,4,6,7,8-HpCDF	66		40 - 135	07/11/16 14:06 08/23/16 07:12 1					
13C-OCDD	50		40 - 135	07/11/16 14:06 08/23/16 07:12 1					

Client Sample ID: OM-SS-11-5

Lab Sample ID: 320-19659-26

Date Collected: 06/16/16 11:44

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 66.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000020		0.0000015	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
2,3,7,8-TCDF	0.0000011	J	0.0000015	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,7,8-PeCDD	0.000011		0.0000075	0.0000014	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,7,8-PeCDF	0.0000032	J	0.0000075	0.0000011	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
2,3,4,7,8-PeCDF	0.0000032	J	0.0000075	0.0000011	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,7,8-HxCDD	0.000041		0.0000075	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,6,7,8-HxCDD	0.00018	B	0.0000075	0.0000008	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,7,8,9-HxCDD	0.000058		0.0000075	0.0000007	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,7,8-HxCDF	0.000047	B-G	0.0000087	0.0000087	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,6,7,8-HxCDF	0.000036	G	0.0000078	0.0000078	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,7,8,9-HxCDF	ND	G-U	0.0000083	0.0000083	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
2,3,4,6,7,8-HxCDF	0.000031	G	0.0000084	0.0000084	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,6,7,8-HpCDD	0.0026	B-G J	0.000014	0.000014	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,6,7,8-HpCDF	0.0055	B-G J	0.000037	0.000037	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,7,8,9-HpCDF	0.000092	B-G	0.000045	0.000045	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
OCDD	0.019	B-G J	0.000015	0.0000083	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
OCDF	0.0045	B	0.000015	0.0000012	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
Total TCDD	0.000052		0.0000015	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
Total TCDF	0.000013	G-G J	0.0000015	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
Total PeCDD	0.00018		0.0000075	0.0000014	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
Total PeCDF	0.00017	G-G J	0.0000075	0.0000011	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
Total HxCDD	0.0011	B	0.0000075	0.0000008	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
Total HxCDF	0.0026	B-G	0.0000083	0.0000083	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
Total HpCDD	0.0047	B-G	0.000014	0.000014	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1
Total HpCDF	0.012	B-G	0.000041	0.000041	mg/Kg	*	07/11/16 14:06	08/23/16 07:58	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Isotope Dilution	%Recovery	Qualifier	Limits
13C-2,3,7,8-TCDD	59		40 - 135
13C-2,3,7,8-TCDF	62		40 - 135
13C-1,2,3,7,8-PeCDD	58		40 - 135
13C-1,2,3,7,8-PeCDF	62		40 - 135
13C-1,2,3,6,7,8-HxCDD	63		40 - 135
13C-1,2,3,4,7,8-HxCDF	64		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	56		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	56		40 - 135
13C-OCDD	51		40 - 135

Prepared	Analyzed	Dil Fac
07/11/16 14:06	08/23/16 07:58	1
07/11/16 14:06	08/23/16 07:58	1
07/11/16 14:06	08/23/16 07:58	1
07/11/16 14:06	08/23/16 07:58	1
07/11/16 14:06	08/23/16 07:58	1
07/11/16 14:06	08/23/16 07:58	1
07/11/16 14:06	08/23/16 07:58	1
07/11/16 14:06	08/23/16 07:58	1
07/11/16 14:06	08/23/16 07:58	1

Client Sample ID: OM-SS-10-5

Lab Sample ID: 320-19659-28

Date Collected: 06/16/16 11:51

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000053		0.0000017	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				51					
2,3,7,8-TCDF	0.0000017		0.0000017	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				6					
1,2,3,7,8-PeCDD	0.000031	J	0.0000086	0.0000007	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				1					
1,2,3,7,8-PeCDF	0.0000065	J	0.0000086	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				0					
2,3,4,7,8-PeCDF	0.0000053	J	0.0000086	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				4					
1,2,3,4,7,8-HxCDD	0.000062	J	0.0000086	0.0000014	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
1,2,3,6,7,8-HxCDD	0.00026	B J	0.0000086	0.0000013	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
1,2,3,7,8,9-HxCDD	0.00015	J	0.0000086	0.0000011	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
1,2,3,4,7,8-HxCDF	0.000051	B J	0.0000086	0.0000057	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
1,2,3,6,7,8-HxCDF	0.000062	J	0.0000086	0.0000052	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000086	0.0000055	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
2,3,4,6,7,8-HxCDF	0.000058	J	0.0000086	0.0000055	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
1,2,3,4,6,7,8-HpCDD	0.0022	B J	0.000011	0.000011	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
1,2,3,4,6,7,8-HpCDF	0.0068	B J	0.000045	0.000045	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
1,2,3,4,7,8,9-HpCDF	ND	U	0.000054	0.000054	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
OCDD	0.0090	B J	0.000017	0.0000056	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
OCDF	0.0024	B J	0.000017	0.0000006	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				0					
Total TCDD	0.00011	J	0.0000017	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				51					
Total TCDF	0.000021	J	0.0000017	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				6					
Total PeCDD	0.00036	J	0.0000086	0.0000007	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				1					
Total PeCDF	0.00026	J	0.0000086	0.0000009	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
				2					
Total HxCDD	0.0018	B J	0.0000086	0.0000013	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
Total HxCDF	0.0027	B J	0.0000086	0.0000055	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
Total HpCDD	0.0038	B J	0.000011	0.000011	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1
Total HpCDF	0.010	B J	0.000049	0.000049	mg/Kg	*	07/11/16 14:06	08/23/16 08:44	1

Isotope Dilution	%Recovery	Qualifier	Limits
13C-2,3,7,8-TCDD	77		40 - 135
13C-2,3,7,8-TCDF	83		40 - 135
13C-1,2,3,7,8-PeCDD	78		40 - 135
13C-1,2,3,7,8-PeCDF	83		40 - 135
13C-1,2,3,6,7,8-HxCDD	85		40 - 135

Prepared	Analyzed	Dil Fac
07/11/16 14:06	08/23/16 08:44	1
07/11/16 14:06	08/23/16 08:44	1
07/11/16 14:06	08/23/16 08:44	1
07/11/16 14:06	08/23/16 08:44	1
07/11/16 14:06	08/23/16 08:44	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-10-5

Lab Sample ID: 320-19659-28

Date Collected: 06/16/16 11:51

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
¹³ C-1,2,3,4,7,8-HxCDF	86		40 - 135	07/11/16 14:06	08/23/16 08:44	1
¹³ C-1,2,3,4,6,7,8-HpCDD	80		40 - 135	07/11/16 14:06	08/23/16 08:44	1
¹³ C-1,2,3,4,6,7,8-HpCDF	78		40 - 135	07/11/16 14:06	08/23/16 08:44	1
¹³ C-OCDD	73		40 - 135	07/11/16 14:06	08/23/16 08:44	1

Client Sample ID: OM-SS-09-5

Lab Sample ID: 320-19659-31

Date Collected: 06/16/16 12:09

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Method: 8290A - Dioxins and Furans (HRGC/HRMS)									
Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000024		0.0000015	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				8					
2,3,7,8-TCDF	0.00000033	J	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				85					
1,2,3,7,8-PeCDD	0.0000066	J	0.0000073	0.0000004	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				1					
1,2,3,7,8-PeCDF	0.0000017	J <i>gmbf</i>	0.0000073	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				0					
2,3,4,7,8-PeCDF	0.0000017	J	0.0000073	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				0					
1,2,3,4,7,8-HxCDD	0.000017		0.0000073	0.0000020	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
1,2,3,6,7,8-HxCDD	0.00055	B	0.0000073	0.0000019	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
1,2,3,7,8,9-HxCDD	0.000049		0.0000073	0.0000016	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,7,8-HxCDF	0.000014	B	0.0000073	0.0000029	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
1,2,3,6,7,8-HxCDF	0.0000067	J	0.0000073	0.0000026	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000073	0.0000028	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
2,3,4,6,7,8-HxCDF	0.0000054	J	0.0000073	0.0000028	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,6,7,8-HpCDD	0.0025	B <i>gmbf</i>	0.0000090	0.0000090	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,6,7,8-HpCDF	0.0015	B	0.0000073	0.0000060	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,7,8,9-HpCDF	0.000012	B	0.0000073	0.0000072	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
OCDD	0.0067	B <i>gmbf</i>	0.000015	0.0000056	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
OCDF	0.00057	B	0.000015	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				7					
Total TCDD	0.00029		0.0000015	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				8					
Total TCDF	0.0000051	<i>gmbf</i>	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				85					
Total PeCDD	0.000088		0.0000073	0.0000004	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				1					
Total PeCDF	0.000040	<i>gmbf</i>	0.0000073	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
				0					
Total HxCDD	0.0019	B	0.0000073	0.0000018	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
Total HxCDF	0.00080	B	0.0000073	0.0000028	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
Total HpCDD	0.0036	B <i>gmbf</i>	0.0000090	0.0000090	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
Total HpCDF	0.0027	B	0.0000073	0.0000066	mg/Kg	*	07/11/16 14:06	08/23/16 09:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
¹³ C-2,3,7,8-TCDD	82		40 - 135				07/11/16 14:06	08/23/16 09:30	1
¹³ C-2,3,7,8-TCDF	86		40 - 135				07/11/16 14:06	08/23/16 09:30	1
¹³ C-1,2,3,7,8-PeCDD	79		40 - 135				07/11/16 14:06	08/23/16 09:30	1
¹³ C-1,2,3,7,8-PeCDF	85		40 - 135				07/11/16 14:06	08/23/16 09:30	1
¹³ C-1,2,3,6,7,8-HxCDD	84		40 - 135				07/11/16 14:06	08/23/16 09:30	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-09-5

Lab Sample ID: 320-19659-31

Date Collected: 06/16/16 12:09

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
¹³ C-1,2,3,4,7,8-HxCDF	83		40 - 135	07/11/16 14:06	08/23/16 09:30	1
¹³ C-1,2,3,4,6,7,8-HpCDD	89		40 - 135	07/11/16 14:06	08/23/16 09:30	1
¹³ C-1,2,3,4,6,7,8-HpCDF	86		40 - 135	07/11/16 14:06	08/23/16 09:30	1
¹³ C-OCDD	84		40 - 135	07/11/16 14:06	08/23/16 09:30	1

Client Sample ID: OM-SS-08-5

Lab Sample ID: 320-19659-33

Date Collected: 06/16/16 12:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
2,3,7,8-TCDF	ND	U	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,7,8-PeCDD	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,7,8-PeCDF	0.00000023	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
2,3,4,7,8-PeCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,7,8-HxCDD	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,6,7,8-HxCDD	0.00000022	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,7,8,9-HxCDD	0.00000010	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,7,8-HxCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,6,7,8-HxCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,7,8,9-HxCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
2,3,4,6,7,8-HxCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,6,7,8-HpCDD	0.00000072	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,6,7,8-HpCDF	0.00000053	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,7,8,9-HpCDF	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
OCDD	0.00000098	J	0.000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
OCDF	0.00000041	J	0.000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
Total TCDD	0.00000011	J	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
Total TCDF	0.00000027	J	0.0000015	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
Total PeCDD	ND	U	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
Total PeCDF	0.00000023	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
Total HxCDD	0.00000052	J	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-08-5

Lab Sample ID: 320-19659-33

Date Collected: 06/16/16 12:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDF	ND	u	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
				58					
Total HpCDD	0.0000013	J B u	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
				55					
Total HpCDF	0.00000095	J B	0.0000073	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 10:16	1
				60					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-2,3,7,8-TCDF	89		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,7,8-PeCDD	85		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,7,8-PeCDF	89		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,6,7,8-HxCDD	88		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,4,7,8-HxCDF	91		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,4,6,7,8-HpCDD	95		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,4,6,7,8-HpCDF	93		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-OCDD	90		40 - 135				07/11/16 14:06	08/23/16 10:16	1

Client Sample ID: OM-SS-12-5

Lab Sample ID: 320-19659-35

Date Collected: 06/16/16 12:42

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 71.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000014		0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				54					
2,3,7,8-TCDF	0.00000026	J u	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				41					
1,2,3,7,8-PeCDD	0.0000068	J	0.0000070	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				0					
1,2,3,7,8-PeCDF	0.00000064	J	0.0000070	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				6					
2,3,4,7,8-PeCDF	0.00000057	J	0.0000070	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				7					
1,2,3,4,7,8-HxCDD	0.000011		0.0000070	0.0000004	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				8					
1,2,3,6,7,8-HxCDD	0.000056	B	0.0000070	0.0000004	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				4					
1,2,3,7,8,9-HxCDD	0.000032		0.0000070	0.0000003	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				8					
1,2,3,4,7,8-HxCDF	0.0000059	J B	0.0000070	0.0000008	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				6					
1,2,3,6,7,8-HxCDF	0.0000050	J	0.0000070	0.0000007	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				7					
1,2,3,7,8,9-HxCDF	ND	u	0.0000070	0.0000008	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				2					
2,3,4,6,7,8-HxCDF	0.0000047	J	0.0000070	0.0000008	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				3					
1,2,3,4,6,7,8-HpCDD	0.00075	B J	0.0000070	0.0000042	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
1,2,3,4,6,7,8-HpCDF	0.00097	B	0.0000070	0.0000064	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
1,2,3,4,7,8,9-HpCDF	ND	u	0.0000076	0.0000076	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
OCDD	0.0050	B	0.000014	0.0000019	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
OCDF	0.00044	B	0.000014	0.0000001	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1

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TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-12-5

Lab Sample ID: 320-19659-35

Date Collected: 06/16/16 12:42

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 71.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TCDD	0.000029		0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				54					
Total TCDF	0.0000040	<i>a-empc J</i>	0.0000014	0.0000000	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				41					
Total PeCDD	0.000076	<i>a-empc J</i>	0.0000070	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				0					
Total PeCDF	0.000031		0.0000070	0.0000002	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				6					
Total HxCDD	0.00046	<i>B</i>	0.0000070	0.0000004	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				3					
Total HxCDF	0.00031	<i>B</i>	0.0000070	0.0000008	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
				2					
Total HpCDD	0.0015	<i>B</i>	0.0000070	0.0000042	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
Total HpCDF	0.0015	<i>B</i>	0.0000070	0.0000070	mg/Kg	*	07/11/16 14:06	08/23/16 11:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-2,3,7,8-TCDF	87		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,7,8-PeCDD	84		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,7,8-PeCDF	89		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,6,7,8-HxCDD	88		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,4,7,8-HxCDF	92		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,4,6,7,8-HpCDD	85		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,4,6,7,8-HpCDF	86		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-OCDD	73		40 - 135				07/11/16 14:06	08/23/16 11:02	1

TestAmerica Sacramento

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Sacramento

880 Riverside Parkway

West Sacramento, CA 95605

Tel: (916)373-5600

TestAmerica Job ID: 320-19659-2

TestAmerica Sample Delivery Group: ON HOLD

Client Project/Site: Mt. Shasta, Old Mill

For:

Weston Solutions, Inc.

1340 Treat Blvd., Suite 210

Walnut Creek, California 94597

Attn: Ms. Tara Fitzgerald



Authorized for release by:

9/2/2016 11:00:22 AM

Linda C. Laver, Project Manager II

(916)374-4362

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Qualifiers

Dioxin

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
E	Result exceeded calibration range.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Job ID: 320-19659-2

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative 320-19659-2

Comments

Samples were received on June 17, 2016, and several were placed on HOLD pending results from the samples to be analyzed. Due to heavy backlog in the lab at that time, TestAmerica extracted the samples for Method 8290 that were submitted on HOLD and held the extracts in case they would be requested. This was to ensure that the extraction would be performed within hold time. On August 17, 2016, TestAmerica was requested to analyze the extracts. This report contains the analytical results for these 8290 analyses only. All other data has been reported in Job 320-19659-1.

Receipt

The samples were received on 6/17/2016 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

Dioxin

Method(s) 8290A: The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): OM-SS-14-5 (320-19659-18), OM-SS-11-5 (320-19659-26), OM-SS-10-5 (320-19659-28), OM-SS-09-5 (320-19659-31) and OM-SS-12-5 (320-19659-35). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

Method(s) 8290A: The concentration of one or more analytes associated with the following samples exceeded the instrument calibration range: OM-SS-04-5 (320-19659-15), OM-SS-11-5 (320-19659-26), OM-SS-10-5 (320-19659-28) and OM-SS-09-5 (320-19659-31). These peaks did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range. The data has been reported with E flags.

Method(s) 8290A: The following analyte recovered slightly above the upper control limit for the laboratory control sample (LCS) associated with preparation batch 320-117366: 1,2,3,4,6,7,8-HpCDD. The data was evaluated and determined to be a random marginal exceedance and is not indicative of a systematic control problem. The data has been flagged and reported.

Method(s) 8290A: The precision (RPD) of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) associated with preparation batch 320-117366 was outside control limits for the following analyte: 1,2,3,4,6,7,8-HpCDD.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Dioxin Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-01-5

Lab Sample ID: 320-19659-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.00000024	J	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000000029	J q	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.000000027	J q	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.000000035	J q	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000000062	J	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00000010	J q B	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00000017	J	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.00000014	J B	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000000042	J	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.000033	B *	0.0000071	0.0000020	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00000038	J B	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000000050	J q B	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00000047	J B	0.000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.00000020	J	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.00000032	J q	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000000029	J q	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000000061	J q	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00000058	J q B	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00000018	J B	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.000073	B	0.0000071	0.0000020	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0000015	J q B	0.0000071	0.0000000	mg/Kg	1		✱	8290A	Total/NA
OCDD - DL	0.051	B	0.00028	0.000049	mg/Kg	20		✱	8290A	Total/NA

Client Sample ID: OM-SS-02-5

Lab Sample ID: 320-19659-4

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	0.00000011	J	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00000044	J B	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00000031	J	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000000089	J B	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000000051	J q	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0000041	J B *	0.0000067	0.0000001	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-02-5 (Continued)

Lab Sample ID: 320-19659-4

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDF	0.0000028	J B	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.000038	B	0.000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.0000016	J B	0.000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000000066	J q	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.0000026	J B	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.0000015	J q B	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0000074	B	0.0000067	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0000053	J B	0.0000067	0.0000000	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-06-5

Lab Sample ID: 320-19659-7

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	0.00000012	J q	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00000089	J B	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00000031	J	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.00000022	J B	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.00000018	J	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.00000020	J	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.000024	B *	0.0000064	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.000022	B	0.0000064	0.0000001	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.00030	B	0.000013	0.0000002	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.000016	B	0.000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.00000022	J q	0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.000000078	J q	0.0000013	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.00000016	J	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.00000089	J q	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.0000042	J q B	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.0000077	B	0.0000064	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.000043	B	0.0000064	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.000042	B	0.0000064	0.0000001	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-03-5

Lab Sample ID: 320-19659-9

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.00000052	J	0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.00000035	J	0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.00000015	J	0.0000062	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000040	J q	0.0000062	0.0000001	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.00000056	J	0.0000062	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.00000038	J	0.0000062	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.0000037	B	0.0000062	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.0000082		0.0000062	0.0000001	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.00000036	J B	0.0000062	0.0000005	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.00000035	J	0.0000062	0.0000005	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.00000036	J	0.0000062	0.0000005	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.00051	B *	0.0000062	0.0000032	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00042	B	0.0000062	0.0000032	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.00000043	J B	0.0000062	0.0000039	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.0046	B	0.000012	0.0000032	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00021	B	0.000012	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.000021	q	0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.0000040		0.0000012	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000019	q	0.0000062	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000017	q	0.0000062	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00021	B	0.0000062	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00016	B	0.0000062	0.0000005	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.00093	B	0.0000062	0.0000032	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.00071	B	0.0000062	0.0000036	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-05-5

Lab Sample ID: 320-19659-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,6,7,8-HxCDD	0.000000076	J B	0.0000076	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000000051	J q	0.0000076	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.00000043	J B *	0.0000076	0.0000001	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.00000031	J B	0.000015	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00000013	J q B	0.0000076	0.0000000	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-05-5 (Continued)

Lab Sample ID: 320-19659-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
Total HpCDD	0.00000067	J q B	0.0000076	0.00000013	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-07-5

Lab Sample ID: 320-19659-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDD	0.000000063	J q	0.0000073	0.000000037	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00000046	J B	0.0000073	0.000000034	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00000023	J	0.0000073	0.000000029	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000000051	J q	0.0000073	0.000000034	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000000050	J	0.0000073	0.000000036	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0000078	B *	0.0000073	0.00000013	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0000038	J B	0.0000073	0.000000047	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.000095	B	0.000015	0.000000086	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.0000026	J B	0.000015	0.000000060	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.00000011	J	0.0000015	0.000000024	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000000093	J	0.0000073	0.000000022	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.0000027	J q B	0.0000073	0.000000034	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.0000015	J q B	0.0000073	0.000000036	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.000015	B	0.0000073	0.00000013	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0000068	J q B	0.0000073	0.000000052	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-04-5

Lab Sample ID: 320-19659-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.00000050	J	0.0000016	0.000000068	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.00000035	J	0.0000016	0.00000014	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000028	J	0.0000082	0.000000089	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000079	J q	0.0000082	0.00000016	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000010	J	0.0000082	0.00000017	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.0000077	J	0.0000082	0.00000026	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000045	B	0.0000082	0.00000024	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000013		0.0000082	0.00000020	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-04-5 (Continued)

Lab Sample ID: 320-19659-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,4,7,8-HxCDF	0.0000058	J B	0.0000082	0.0000010	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000054	J	0.0000082	0.0000009	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000050	J	0.0000082	0.0000009	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.00095	B *	0.0000082	0.0000070	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00062	B	0.0000082	0.0000037	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.0000078	J B	0.0000082	0.0000044	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.0089	E B	0.000016	0.0000056	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00056	B	0.000016	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.000013	q	0.0000016	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.0000067	q	0.0000016	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000020	q	0.0000082	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000033	q	0.0000082	0.0000001	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00024	B	0.0000082	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00029	B	0.0000082	0.0000009	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0017	B	0.0000082	0.0000070	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0012	B	0.0000082	0.0000040	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-15-5

Lab Sample ID: 320-19659-17

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.00000044	J	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000000052	J	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000012	J	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.000000080	J q	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000000066	J q	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000000095	J B q	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000000073	J	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.00000021	J B	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.00000013	J	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDF	0.000000059	J q	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000000084	J	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0000012	J B *	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0000017	J B	0.0000072	0.0000000	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-15-5 (Continued)

Lab Sample ID: 320-19659-17

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,7,8,9-HpCDF	0.00000024	J B	0.0000072	0.0000000	mg/Kg	1	☼	8290A	Total/NA
OCDD	0.000015	B	0.000014	0.0000000	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.0000043	J B	0.000014	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.00000019	J q	0.0000014	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.0000015	q	0.0000014	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00000018	J q	0.0000072	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.00000045	J q	0.0000072	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.00000083	J B q	0.0000072	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.00000076	J B q	0.0000072	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0000030	J B	0.0000072	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.0000031	J B	0.0000072	0.0000000	mg/Kg	1	☼	8290A	Total/NA

Client Sample ID: OM-SS-14-5

Lab Sample ID: 320-19659-18

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000098		0.0000013	0.0000007	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000022		0.0000067	0.0000004	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000022	J q	0.0000067	0.0000007	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000026	J	0.0000067	0.0000008	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000073		0.0000067	0.0000012	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00030	B	0.0000067	0.0000011	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000076		0.0000067	0.0000009	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000020	B	0.0000067	0.0000035	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000019		0.0000067	0.0000031	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000020		0.0000067	0.0000033	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0023	B G	0.000010	0.000010	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000027	B G	0.000012	0.000012	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.0016	B	0.000013	0.0000005	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.00031		0.0000013	0.0000007	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.000020	q	0.0000013	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00018		0.0000067	0.0000004	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.00011	q	0.0000067	0.0000008	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0015	B	0.0000067	0.0000011	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.0011	B	0.0000067	0.0000033	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.0044	B G	0.000011	0.000011	mg/Kg	1	☼	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-14-5 (Continued)

Lab Sample ID: 320-19659-18

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,4,6,7,8-HpCDD - DL	0.0031	B *	0.000033	0.000021	mg/Kg	5	✱	8290A	Total/NA
OCDD - DL	0.020	B	0.000067	0.000013	mg/Kg	5	✱	8290A	Total/NA
Total HpCDD - DL	0.0053	B	0.000033	0.000021	mg/Kg	5	✱	8290A	Total/NA
2,3,7,8-TCDF - RA	0.00000086	J	0.0000013	0.0000002	mg/Kg	1	✱	8290A	Total/NA

Client Sample ID: OM-SS-13-5

Lab Sample ID: 320-19659-21

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDF	0.00000035	J	0.0000020	0.0000000	mg/Kg	1	✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.00000073	J	0.000010	0.0000000	mg/Kg	1	✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000051	J q	0.000010	0.0000000	mg/Kg	1	✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.00000073	J	0.000010	0.0000001	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.0000013	J q	0.000010	0.0000001	mg/Kg	1	✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000011	B	0.000010	0.0000001	mg/Kg	1	✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.0000034	J	0.000010	0.0000000	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.0000027	J B q	0.000010	0.0000002	mg/Kg	1	✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000027	J	0.000010	0.0000002	mg/Kg	1	✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000026	J	0.000010	0.0000002	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.00014	B *	0.000010	0.0000005	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00023	B	0.000010	0.0000008	mg/Kg	1	✱	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.0000018	J B	0.000010	0.0000011	mg/Kg	1	✱	8290A	Total/NA
OCDD	0.00098	B	0.000020	0.0000004	mg/Kg	1	✱	8290A	Total/NA
OCDF	0.00010	B	0.000020	0.0000001	mg/Kg	1	✱	8290A	Total/NA
Total TCDD	0.0000043	q	0.0000020	0.0000000	mg/Kg	1	✱	8290A	Total/NA
Total TCDF	0.0000032	q	0.0000020	0.0000000	mg/Kg	1	✱	8290A	Total/NA
Total PeCDD	0.0000056	J q	0.000010	0.0000000	mg/Kg	1	✱	8290A	Total/NA
Total PeCDF	0.000017	q	0.000010	0.0000000	mg/Kg	1	✱	8290A	Total/NA
Total HxCDD	0.000055	B q	0.000010	0.0000001	mg/Kg	1	✱	8290A	Total/NA
Total HxCDF	0.00011	B q	0.000010	0.0000002	mg/Kg	1	✱	8290A	Total/NA
Total HpCDD	0.00025	B	0.000010	0.0000005	mg/Kg	1	✱	8290A	Total/NA
Total HpCDF	0.00038	B	0.000010	0.0000009	mg/Kg	1	✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-11-5

Lab Sample ID: 320-19659-26

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000020		0.0000015	0.0000001	mg/Kg	1	☼	8290A	Total/NA
2,3,7,8-TCDF	0.0000011	J	0.0000015	0.0000001	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000011		0.0000075	0.0000014	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000032	J	0.0000075	0.0000011	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000032	J	0.0000075	0.0000011	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000041		0.0000075	0.0000009	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00018	B	0.0000075	0.0000008	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000058		0.0000075	0.0000007	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000047	B G	0.0000087	0.0000087	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000036	G	0.0000078	0.0000078	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000031	G	0.0000084	0.0000084	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0026	B * G	0.000014	0.000014	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0055	E B G	0.000037	0.000037	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000092	B G	0.000045	0.000045	mg/Kg	1	☼	8290A	Total/NA
OCDD	0.019	E B	0.000015	0.0000083	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.0045	B	0.000015	0.0000012	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.000052		0.0000015	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.000013	q	0.0000015	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00018		0.0000075	0.0000014	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.00017	q	0.0000075	0.0000011	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0011	B	0.0000075	0.0000008	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.0026	B G	0.0000083	0.0000083	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0047	B G	0.000014	0.000014	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.012	B G	0.000041	0.000041	mg/Kg	1	☼	8290A	Total/NA

Client Sample ID: OM-SS-10-5

Lab Sample ID: 320-19659-28

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000053		0.0000017	0.0000000	mg/Kg	1	☼	8290A	Total/NA
2,3,7,8-TCDF	0.0000017		0.0000017	0.0000001	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.000031		0.0000086	0.0000007	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000065	J	0.0000086	0.0000009	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000053	J	0.0000086	0.0000009	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000062		0.0000086	0.0000014	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00026	B	0.0000086	0.0000013	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00015		0.0000086	0.0000011	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000051	B	0.0000086	0.0000057	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.000062		0.0000086	0.0000052	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.000058		0.0000086	0.0000055	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0022	B * G	0.000011	0.000011	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0068	E B G	0.000045	0.000045	mg/Kg	1	☼	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-10-5 (Continued)

Lab Sample ID: 320-19659-28

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
OCDD	0.0090	E B	0.000017	0.0000056	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.0024	B	0.000017	0.0000006	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.00011		0.0000017	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.000021	q	0.0000017	0.0000001	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.00036		0.0000086	0.0000007	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.00026		0.0000086	0.0000009	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0018	B	0.0000086	0.0000013	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.0027	B	0.0000086	0.0000055	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0038	B G	0.000011	0.000011	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.010	B G	0.000049	0.000049	mg/Kg	1	☼	8290A	Total/NA

Client Sample ID: OM-SS-09-5

Lab Sample ID: 320-19659-31

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000024		0.0000015	0.0000002	mg/Kg	1	☼	8290A	Total/NA
2,3,7,8-TCDF	0.00000033	J	0.0000015	0.0000000	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDD	0.0000066	J	0.0000073	0.0000004	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8-PeCDF	0.0000017	J q	0.0000073	0.0000002	mg/Kg	1	☼	8290A	Total/NA
2,3,4,7,8-PeCDF	0.0000017	J	0.0000073	0.0000002	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000017		0.0000073	0.0000020	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00055	B	0.0000073	0.0000019	mg/Kg	1	☼	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000049		0.0000073	0.0000016	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.000014	B	0.0000073	0.0000029	mg/Kg	1	☼	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000067	J	0.0000073	0.0000026	mg/Kg	1	☼	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000054	J	0.0000073	0.0000028	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.0025	B * G	0.0000090	0.0000090	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.0015	B	0.0000073	0.0000060	mg/Kg	1	☼	8290A	Total/NA
1,2,3,4,7,8,9-HpCDF	0.000012	B	0.0000073	0.0000072	mg/Kg	1	☼	8290A	Total/NA
OCDD	0.0067	E B	0.000015	0.0000056	mg/Kg	1	☼	8290A	Total/NA
OCDF	0.00057	B	0.000015	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Total TCDD	0.00029		0.0000015	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Total TCDF	0.0000051	q	0.0000015	0.0000000	mg/Kg	1	☼	8290A	Total/NA
Total PeCDD	0.000088		0.0000073	0.0000004	mg/Kg	1	☼	8290A	Total/NA
Total PeCDF	0.000040	q	0.0000073	0.0000002	mg/Kg	1	☼	8290A	Total/NA
Total HxCDD	0.0019	B	0.0000073	0.0000018	mg/Kg	1	☼	8290A	Total/NA
Total HxCDF	0.00080	B	0.0000073	0.0000028	mg/Kg	1	☼	8290A	Total/NA
Total HpCDD	0.0036	B G	0.0000090	0.0000090	mg/Kg	1	☼	8290A	Total/NA
Total HpCDF	0.0027	B	0.0000073	0.0000066	mg/Kg	1	☼	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-08-5

Lab Sample ID: 320-19659-33

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3,7,8-PeCDF	0.00000023	J q	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.00000022	J B q	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.00000010	J q	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.00000072	J B *	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00000053	J B	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.00000098	J B	0.000015	0.0000000	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00000041	J B	0.000015	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDD	0.00000011	J q	0.0000015	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.00000027	J q	0.0000015	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.00000023	J q	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00000052	J B q	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0000013	J B q	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.00000095	J B	0.0000073	0.0000000	mg/Kg	1		✱	8290A	Total/NA

Client Sample ID: OM-SS-12-5

Lab Sample ID: 320-19659-35

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
2,3,7,8-TCDD	0.0000014		0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
2,3,7,8-TCDF	0.00000026	J q	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDD	0.00000068	J	0.0000070	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8-PeCDF	0.00000064	J	0.0000070	0.0000002	mg/Kg	1		✱	8290A	Total/NA
2,3,4,7,8-PeCDF	0.00000057	J	0.0000070	0.0000002	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDD	0.000011		0.0000070	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDD	0.000056	B	0.0000070	0.0000004	mg/Kg	1		✱	8290A	Total/NA
1,2,3,7,8,9-HxCDD	0.000032		0.0000070	0.0000003	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,7,8-HxCDF	0.0000059	J B	0.0000070	0.0000008	mg/Kg	1		✱	8290A	Total/NA
1,2,3,6,7,8-HxCDF	0.0000050	J	0.0000070	0.0000007	mg/Kg	1		✱	8290A	Total/NA
2,3,4,6,7,8-HxCDF	0.0000047	J	0.0000070	0.0000008	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.00075	B *	0.0000070	0.0000042	mg/Kg	1		✱	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.00097	B	0.0000070	0.0000064	mg/Kg	1		✱	8290A	Total/NA
OCDD	0.0050	B	0.000014	0.0000019	mg/Kg	1		✱	8290A	Total/NA
OCDF	0.00044	B	0.000014	0.0000001	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-12-5 (Continued)

Lab Sample ID: 320-19659-35

Analyte	Result	Qualifier	RL	EDL	Unit	Dil	Fac	D	Method	Prep Type
Total TCDD	0.000029		0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total TCDF	0.000040	q	0.0000014	0.0000000	mg/Kg	1		✱	8290A	Total/NA
Total PeCDD	0.000076	q	0.0000070	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total PeCDF	0.000031		0.0000070	0.0000002	mg/Kg	1		✱	8290A	Total/NA
Total HxCDD	0.00046	B	0.0000070	0.0000004	mg/Kg	1		✱	8290A	Total/NA
Total HxCDF	0.00031	B	0.0000070	0.0000008	mg/Kg	1		✱	8290A	Total/NA
Total HpCDD	0.0015	B	0.0000070	0.0000042	mg/Kg	1		✱	8290A	Total/NA
Total HpCDF	0.0015	B	0.0000070	0.0000070	mg/Kg	1		✱	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-01-5

Date Collected: 06/16/16 08:10

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-2

Matrix: Solid

Percent Solids: 70.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
2,3,7,8-TCDF	0.00000024	J	0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,7,8-PeCDD	0.000000029	J q	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,7,8-PeCDF	0.000000027	J q	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
2,3,4,7,8-PeCDF	0.000000035	J q	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,7,8-HxCDD	0.000000062	J	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,6,7,8-HxCDD	0.00000010	J q B	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,7,8,9-HxCDD	0.00000017	J	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,7,8-HxCDF	0.00000014	J B	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,6,7,8-HxCDF	ND		0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,7,8,9-HxCDF	ND		0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
2,3,4,6,7,8-HxCDF	0.000000042	J	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,6,7,8-HpCDD	0.0000033	B *	0.0000071	0.0000020	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,6,7,8-HpCDF	0.00000038	J B	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
1,2,3,4,7,8,9-HpCDF	0.000000050	J q B	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
OCDF	0.00000047	J B	0.000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
Total TCDD	0.00000020	J	0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
Total TCDF	0.00000032	J q	0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
Total PeCDD	0.000000029	J q	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
Total PeCDF	0.000000061	J q	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
Total HxCDD	0.00000058	J q B	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
Total HxCDF	0.00000018	J B	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
Total HpCDD	0.0000073	B	0.0000071	0.0000020	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1
Total HpCDF	0.0000015	J q B	0.0000071	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 20:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	84		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-2,3,7,8-TCDF	90		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,7,8-PeCDD	89		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,7,8-PeCDF	90		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,4,7,8-HxCDF	89		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-1,2,3,4,6,7,8-HpCDD	91		40 - 135	07/11/16 14:06	08/22/16 20:46	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-01-5

Date Collected: 06/16/16 08:10

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-2

Matrix: Solid

Percent Solids: 70.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDF	91		40 - 135	07/11/16 14:06	08/22/16 20:46	1
13C-OCDD	77		40 - 135	07/11/16 14:06	08/22/16 20:46	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.051	B	0.00028	0.000049	mg/Kg	☼	07/11/16 14:06	08/23/16 20:09	20
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	80		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-2,3,7,8-TCDF	88		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,7,8-PeCDD	82		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,7,8-PeCDF	89		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,6,7,8-HxCDD	87		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,4,7,8-HxCDF	89		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,4,6,7,8-HpCDD	103		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-1,2,3,4,6,7,8-HpCDF	106		40 - 135				07/11/16 14:06	08/23/16 20:09	20
13C-OCDD	107		40 - 135				07/11/16 14:06	08/23/16 20:09	20

Client Sample ID: OM-SS-02-5

Date Collected: 06/16/16 08:56

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-4

Matrix: Solid

Percent Solids: 74.3

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
2,3,7,8-TCDF	ND		0.0000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,7,8-PeCDD	ND		0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,7,8-PeCDF	ND		0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
2,3,4,7,8-PeCDF	ND		0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,4,7,8-HxCDD	0.00000011	J	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,6,7,8-HxCDD	0.00000044	J B	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,7,8,9-HxCDD	0.00000031	J	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,4,7,8-HxCDF	0.000000089	J B	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,6,7,8-HxCDF	0.000000051	J q	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,7,8,9-HxCDF	ND		0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
2,3,4,6,7,8-HxCDF	ND		0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,4,6,7,8-HpCDD	0.00000041	J B *	0.0000067	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,4,6,7,8-HpCDF	0.00000028	J B	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
1,2,3,4,7,8,9-HpCDF	ND		0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-02-5

Date Collected: 06/16/16 08:56

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-4

Matrix: Solid

Percent Solids: 74.3

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.000038	B	0.000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				75					
OCDF	0.0000016	J B	0.000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				32					
Total TCDD	ND		0.0000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				32					
Total TCDF	ND		0.0000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				19					
Total PeCDD	0.00000066	J q	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				46					
Total PeCDF	ND		0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				24					
Total HxCDD	0.0000026	J B	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				38					
Total HxCDF	0.0000015	J q B	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				34					
Total HpCDD	0.0000074	B	0.0000067	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				4					
Total HpCDF	0.0000053	J B	0.0000067	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 21:32	1
				37					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	76		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-2,3,7,8-TCDF	83		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,7,8-PeCDD	81		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,7,8-PeCDF	84		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,6,7,8-HxCDD	85		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,4,7,8-HxCDF	86		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,4,6,7,8-HpCDD	88		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-1,2,3,4,6,7,8-HpCDF	91		40 - 135				07/11/16 14:06	08/22/16 21:32	1
13C-OCDD	76		40 - 135				07/11/16 14:06	08/22/16 21:32	1

Client Sample ID: OM-SS-06-5

Date Collected: 06/16/16 09:14

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-7

Matrix: Solid

Percent Solids: 77.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				23					
2,3,7,8-TCDF	ND		0.0000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				14					
1,2,3,7,8-PeCDD	ND		0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				33					
1,2,3,7,8-PeCDF	ND		0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				21					
2,3,4,7,8-PeCDF	ND		0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				22					
1,2,3,4,7,8-HxCDD	0.00000012	J q	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				35					
1,2,3,6,7,8-HxCDD	0.00000089	J B	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				32					
1,2,3,7,8,9-HxCDD	0.00000031	J	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				28					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-06-5

Date Collected: 06/16/16 09:14

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-7

Matrix: Solid

Percent Solids: 77.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,7,8-HxCDF	0.00000022	J B	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				55					
1,2,3,6,7,8-HxCDF	0.00000018	J	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				50					
1,2,3,7,8,9-HxCDF	ND		0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				53					
2,3,4,6,7,8-HxCDF	0.00000020	J	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				54					
1,2,3,4,6,7,8-HpCDD	0.0000024	B *	0.0000064	0.0000002	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				0					
1,2,3,4,6,7,8-HpCDF	0.0000022	B	0.0000064	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				4					
1,2,3,4,7,8,9-HpCDF	ND		0.0000064	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				7					
OCDD	0.00030	B	0.000013	0.0000002	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				3					
OCDF	0.000016	B	0.000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				33					
Total TCDD	0.00000022	J q	0.0000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				23					
Total TCDF	0.000000078	J q	0.0000013	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				14					
Total PeCDD	0.00000016	J	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				33					
Total PeCDF	0.00000089	J q	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				22					
Total HxCDD	0.0000042	J q B	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				32					
Total HxCDF	0.0000077	B	0.0000064	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				53					
Total HpCDD	0.000043	B	0.0000064	0.0000002	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				0					
Total HpCDF	0.000042	B	0.0000064	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 22:17	1
				5					

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	84		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-2,3,7,8-TCDF	87		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,7,8-PeCDD	82		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,7,8-PeCDF	86		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,6,7,8-HxCDD	90		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,4,7,8-HxCDF	90		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,4,6,7,8-HpCDD	88		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-1,2,3,4,6,7,8-HpCDF	93		40 - 135	07/11/16 14:06	08/22/16 22:17	1
13C-OCDD	80		40 - 135	07/11/16 14:06	08/22/16 22:17	1

Client Sample ID: OM-SS-03-5

Date Collected: 06/16/16 09:28

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-9

Matrix: Solid

Percent Solids: 79.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000052	J	0.0000012	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
				70					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-03-5

Lab Sample ID: 320-19659-9

Date Collected: 06/16/16 09:28

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 79.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000035	J	0.0000012	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,7,8-PeCDD	0.0000015	J	0.0000062	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,7,8-PeCDF	0.00000040	J q	0.0000062	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
2,3,4,7,8-PeCDF	0.00000056	J	0.0000062	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,4,7,8-HxCDD	0.0000038	J	0.0000062	0.0000002	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,6,7,8-HxCDD	0.000037	B	0.0000062	0.0000002	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,7,8,9-HxCDD	0.0000082		0.0000062	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,4,7,8-HxCDF	0.0000036	J B	0.0000062	0.0000005	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,6,7,8-HxCDF	0.0000035	J	0.0000062	0.0000005	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,7,8,9-HxCDF	ND		0.0000062	0.0000005	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
2,3,4,6,7,8-HxCDF	0.0000036	J	0.0000062	0.0000005	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,4,6,7,8-HpCDD	0.00051	B *	0.0000062	0.0000032	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,4,6,7,8-HpCDF	0.00042	B	0.0000062	0.0000032	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
1,2,3,4,7,8,9-HpCDF	0.0000043	J B	0.0000062	0.0000039	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
OCDD	0.0046	B	0.000012	0.0000032	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
OCDF	0.00021	B	0.000012	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Total TCDD	0.000021	q	0.0000012	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Total TCDF	0.0000040		0.0000012	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Total PeCDD	0.000019	q	0.0000062	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Total PeCDF	0.000017	q	0.0000062	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Total HxCDD	0.00021	B	0.0000062	0.0000002	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Total HxCDF	0.00016	B	0.0000062	0.0000005	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Total HpCDD	0.00093	B	0.0000062	0.0000032	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Total HpCDF	0.00071	B	0.0000062	0.0000036	mg/Kg	☼	07/11/16 14:06	08/22/16 23:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-2,3,7,8-TCDF	84		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,7,8-PeCDD	83		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,7,8-PeCDF	85		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,4,7,8-HxCDF	86		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,4,6,7,8-HpCDD	89		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-1,2,3,4,6,7,8-HpCDF	91		40 - 135				07/11/16 14:06	08/22/16 23:03	1
13C-OCDD	86		40 - 135				07/11/16 14:06	08/22/16 23:03	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-05-5

Lab Sample ID: 320-19659-11

Date Collected: 06/16/16 09:52

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 65.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				21					
2,3,7,8-TCDF	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				14					
1,2,3,7,8-PeCDD	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				32					
1,2,3,7,8-PeCDF	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				22					
2,3,4,7,8-PeCDF	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				22					
1,2,3,4,7,8-HxCDD	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				36					
1,2,3,6,7,8-HxCDD	0.00000076	J B	0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				32					
1,2,3,7,8,9-HxCDD	0.00000051	J q	0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				28					
1,2,3,4,7,8-HxCDF	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				36					
1,2,3,6,7,8-HxCDF	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				32					
1,2,3,7,8,9-HxCDF	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				34					
2,3,4,6,7,8-HxCDF	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				35					
1,2,3,4,6,7,8-HpCDD	0.00000043	J B *	0.0000076	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				3					
1,2,3,4,6,7,8-HpCDF	ND		0.0000076	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				2					
1,2,3,4,7,8,9-HpCDF	ND		0.0000076	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				4					
OCDD	0.0000031	J B	0.000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				58					
OCDF	ND		0.000015	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				8					
Total TCDD	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				21					
Total TCDF	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				14					
Total PeCDD	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				32					
Total PeCDF	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				22					
Total HxCDD	0.00000013	J q B	0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				32					
Total HxCDF	ND		0.0000076	0.0000000	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				36					
Total HpCDD	0.00000067	J q B	0.0000076	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				3					
Total HpCDF	ND		0.0000076	0.0000001	mg/Kg	☼	07/11/16 14:06	08/22/16 23:49	1
				4					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	86		40 - 135				07/11/16 14:06	08/22/16 23:49	1
13C-2,3,7,8-TCDF	92		40 - 135				07/11/16 14:06	08/22/16 23:49	1
13C-1,2,3,7,8-PeCDD	89		40 - 135				07/11/16 14:06	08/22/16 23:49	1
13C-1,2,3,7,8-PeCDF	91		40 - 135				07/11/16 14:06	08/22/16 23:49	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-05-5

Date Collected: 06/16/16 09:52

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-11

Matrix: Solid

Percent Solids: 65.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,6,7,8-HxCDD	91		40 - 135	07/11/16 14:06	08/22/16 23:49	1
13C-1,2,3,4,7,8-HxCDF	91		40 - 135	07/11/16 14:06	08/22/16 23:49	1
13C-1,2,3,4,6,7,8-HpCDD	94		40 - 135	07/11/16 14:06	08/22/16 23:49	1
13C-1,2,3,4,6,7,8-HpCDF	95		40 - 135	07/11/16 14:06	08/22/16 23:49	1
13C-OCDD	85		40 - 135	07/11/16 14:06	08/22/16 23:49	1

Client Sample ID: OM-SS-07-5

Date Collected: 06/16/16 10:07

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-13

Matrix: Solid

Percent Solids: 68.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
2,3,7,8-TCDF	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,7,8-PeCDD	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,7,8-PeCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
2,3,4,7,8-PeCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,4,7,8-HxCDD	0.00000063	J q	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,6,7,8-HxCDD	0.00000046	J B	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,7,8,9-HxCDD	0.00000023	J	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,4,7,8-HxCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,6,7,8-HxCDF	0.000000051	J q	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,7,8,9-HxCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
2,3,4,6,7,8-HxCDF	0.000000050	J	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,4,6,7,8-HpCDD	0.0000078	B *	0.0000073	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,4,6,7,8-HpCDF	0.0000038	J B	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
1,2,3,4,7,8,9-HpCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
OCDD	0.000095	B	0.000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
OCDF	0.0000026	J B	0.000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
Total TCDD	0.00000011	J	0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
Total TCDF	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
Total PeCDD	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
Total PeCDF	0.000000093	J	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-07-5

Date Collected: 06/16/16 10:07

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-13

Matrix: Solid

Percent Solids: 68.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.0000027	J q B	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
				34					
Total HxCDF	0.0000015	J q B	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
				36					
Total HpCDD	0.0000015	B	0.0000073	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
				3					
Total HpCDF	0.0000068	J q B	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 00:35	1
				52					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	70		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-2,3,7,8-TCDF	72		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,7,8-PeCDD	67		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,7,8-PeCDF	71		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,6,7,8-HxCDD	73		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,4,7,8-HxCDF	75		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,4,6,7,8-HpCDD	80		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-1,2,3,4,6,7,8-HpCDF	78		40 - 135				07/11/16 14:06	08/23/16 00:35	1
13C-OCDD	74		40 - 135				07/11/16 14:06	08/23/16 00:35	1

Client Sample ID: OM-SS-04-5

Date Collected: 06/16/16 10:25

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-15

Matrix: Solid

Percent Solids: 60.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000050	J	0.0000016	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				68					
2,3,7,8-TCDF	0.00000035	J	0.0000016	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				4					
1,2,3,7,8-PeCDD	0.00000028	J	0.0000082	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				89					
1,2,3,7,8-PeCDF	0.00000079	J q	0.0000082	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				6					
2,3,4,7,8-PeCDF	0.00000010	J	0.0000082	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				7					
1,2,3,4,7,8-HxCDD	0.00000077	J	0.0000082	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				6					
1,2,3,6,7,8-HxCDD	0.000045	B	0.0000082	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				4					
1,2,3,7,8,9-HxCDD	0.000013		0.0000082	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				0					
1,2,3,4,7,8-HxCDF	0.00000058	J B	0.0000082	0.0000010	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
1,2,3,6,7,8-HxCDF	0.00000054	J	0.0000082	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				0					
1,2,3,7,8,9-HxCDF	ND		0.0000082	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				5					
2,3,4,6,7,8-HxCDF	0.00000050	J	0.0000082	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				6					
1,2,3,4,6,7,8-HpCDD	0.000095	B *	0.0000082	0.0000070	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
1,2,3,4,6,7,8-HpCDF	0.000062	B	0.0000082	0.0000037	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
1,2,3,4,7,8,9-HpCDF	0.00000078	J B	0.0000082	0.0000044	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
OCDD	0.0089	E B	0.000016	0.0000056	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-04-5

Date Collected: 06/16/16 10:25

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-15

Matrix: Solid

Percent Solids: 60.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDF	0.00056	B	0.000016	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				1					
Total TCDD	0.000013	q	0.0000016	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				68					
Total TCDF	0.0000067	q	0.0000016	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				4					
Total PeCDD	0.000020	q	0.0000082	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				89					
Total PeCDF	0.000033	q	0.0000082	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				7					
Total HxCDD	0.00024	B	0.0000082	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				4					
Total HxCDF	0.00029	B	0.0000082	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
				5					
Total HpCDD	0.0017	B	0.0000082	0.0000070	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
Total HpCDF	0.0012	B	0.0000082	0.0000040	mg/Kg	☼	07/11/16 14:06	08/23/16 04:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	84		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-2,3,7,8-TCDF	85		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,7,8-PeCDD	84		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,7,8-PeCDF	87		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,6,7,8-HxCDD	93		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,4,7,8-HxCDF	98		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,4,6,7,8-HpCDD	78		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135				07/11/16 14:06	08/23/16 04:55	1
13C-OCDD	75		40 - 135				07/11/16 14:06	08/23/16 04:55	1

Client Sample ID: OM-SS-15-5

Date Collected: 06/16/16 10:36

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-17

Matrix: Solid

Percent Solids: 68.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				25					
2,3,7,8-TCDF	0.00000044	J	0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				23					
1,2,3,7,8-PeCDD	0.00000052	J	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				34					
1,2,3,7,8-PeCDF	0.00000012	J	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				29					
2,3,4,7,8-PeCDF	0.00000080	J q	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				30					
1,2,3,4,7,8-HxCDD	0.00000066	J q	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				25					
1,2,3,6,7,8-HxCDD	0.00000095	J B q	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				23					
1,2,3,7,8,9-HxCDD	0.00000073	J	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				20					
1,2,3,4,7,8-HxCDF	0.00000021	J B	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				35					
1,2,3,6,7,8-HxCDF	0.00000013	J	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				32					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-15-5

Date Collected: 06/16/16 10:36

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-17

Matrix: Solid

Percent Solids: 68.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8,9-HxCDF	0.00000059	J q	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				34					
2,3,4,6,7,8-HxCDF	0.00000084	J	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				34					
1,2,3,4,6,7,8-HpCDD	0.0000012	J B *	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				41					
1,2,3,4,6,7,8-HpCDF	0.0000017	J B	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				43					
1,2,3,4,7,8,9-HpCDF	0.00000024	J B	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				51					
OCDD	0.000015	B	0.000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				51					
OCDF	0.0000043	J B	0.000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				39					
Total TCDD	0.00000019	J q	0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				25					
Total TCDF	0.0000015	q	0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				23					
Total PeCDD	0.00000018	J q	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				34					
Total PeCDF	0.00000045	J q	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				29					
Total HxCDD	0.00000083	J B q	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				23					
Total HxCDF	0.00000076	J B q	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				34					
Total HpCDD	0.00000030	J B	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				41					
Total HpCDF	0.00000031	J B	0.0000072	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 05:41	1
				47					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135				07/11/16 14:06	08/23/16 05:41	1
13C-2,3,7,8-TCDF	86		40 - 135				07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,7,8-PeCDD	80		40 - 135				07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,7,8-PeCDF	85		40 - 135				07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,6,7,8-HxCDD	89		40 - 135				07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,4,7,8-HxCDF	88		40 - 135				07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135				07/11/16 14:06	08/23/16 05:41	1
13C-1,2,3,4,6,7,8-HpCDF	84		40 - 135				07/11/16 14:06	08/23/16 05:41	1
13C-OCDD	75		40 - 135				07/11/16 14:06	08/23/16 05:41	1

Client Sample ID: OM-SS-14-5

Date Collected: 06/16/16 10:42

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-18

Matrix: Solid

Percent Solids: 74.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000098		0.0000013	0.0000007	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				9					
1,2,3,7,8-PeCDD	0.000022		0.0000067	0.0000004	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				0					
1,2,3,7,8-PeCDF	0.0000022	J q	0.0000067	0.0000007	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				9					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-14-5

Date Collected: 06/16/16 10:42

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-18

Matrix: Solid

Percent Solids: 74.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,7,8-PeCDF	0.0000026	J	0.0000067	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				2					
1,2,3,4,7,8-HxCDD	0.000073		0.0000067	0.0000012	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
1,2,3,6,7,8-HxCDD	0.00030	B	0.0000067	0.0000011	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
1,2,3,7,8,9-HxCDD	0.000076		0.0000067	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				2					
1,2,3,4,7,8-HxCDF	0.000020	B	0.0000067	0.0000035	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
1,2,3,6,7,8-HxCDF	0.000019		0.0000067	0.0000031	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
1,2,3,7,8,9-HxCDF	ND		0.0000067	0.0000033	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
2,3,4,6,7,8-HxCDF	0.000020		0.0000067	0.0000033	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
1,2,3,4,6,7,8-HpCDF	0.0023	B G	0.000010	0.000010	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
1,2,3,4,7,8,9-HpCDF	0.000027	B G	0.000012	0.000012	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
OCDF	0.0016	B	0.000013	0.0000005	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				1					
Total TCDD	0.00031		0.0000013	0.0000007	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				9					
Total TCDF	0.000020	q	0.0000013	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				8					
Total PeCDD	0.00018		0.0000067	0.0000004	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				0					
Total PeCDF	0.00011	q	0.0000067	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
				1					
Total HxCDD	0.0015	B	0.0000067	0.0000011	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
Total HxCDF	0.0011	B	0.0000067	0.0000033	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
Total HpCDF	0.0044	B G	0.000011	0.000011	mg/Kg	☼	07/11/16 14:06	08/23/16 06:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	78		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-2,3,7,8-TCDF	83		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,7,8-PeCDD	77		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,7,8-PeCDF	82		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,6,7,8-HxCDD	86		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,4,7,8-HxCDF	83		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-1,2,3,4,6,7,8-HpCDF	87		40 - 135				07/11/16 14:06	08/23/16 06:26	1
13C-OCDD	72		40 - 135				07/11/16 14:06	08/23/16 06:26	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,6,7,8-HpCDD	0.0031	B *	0.000033	0.000021	mg/Kg	☼	07/11/16 14:06	08/23/16 19:23	5
OCDD	0.020	B	0.000067	0.000013	mg/Kg	☼	07/11/16 14:06	08/23/16 19:23	5
Total HpCDD	0.0053	B	0.000033	0.000021	mg/Kg	☼	07/11/16 14:06	08/23/16 19:23	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	81		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-2,3,7,8-TCDF	87		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,7,8-PeCDD	77		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,7,8-PeCDF	85		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,6,7,8-HxCDD	82		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,4,7,8-HxCDF	80		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,4,6,7,8-HpCDD	95		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-1,2,3,4,6,7,8-HpCDF	100		40 - 135				07/11/16 14:06	08/23/16 19:23	5
13C-OCDD	93		40 - 135				07/11/16 14:06	08/23/16 19:23	5

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000086	J	0.0000013	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 18:55	1
				4					
Isotope Dilution	%Recovery	Qualifier	Limits						
13C-2,3,7,8-TCDF	87		40 - 135						
							Prepared	Analyzed	Dil Fac
							07/11/16 14:06	08/23/16 18:55	1

Client Sample ID: OM-SS-13-5

Date Collected: 06/16/16 10:57

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-21

Matrix: Solid

Percent Solids: 49.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000020	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				49					
2,3,7,8-TCDF	0.00000035	J	0.0000020	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				46					
1,2,3,7,8-PeCDD	0.00000073	J	0.000010	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				84					
1,2,3,7,8-PeCDF	0.00000051	J q	0.000010	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				97					
2,3,4,7,8-PeCDF	0.00000073	J	0.000010	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				0					
1,2,3,4,7,8-HxCDD	0.0000013	J q	0.000010	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				2					
1,2,3,6,7,8-HxCDD	0.000011	B	0.000010	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				1					
1,2,3,7,8,9-HxCDD	0.0000034	J	0.000010	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				91					
1,2,3,4,7,8-HxCDF	0.0000027	J B q	0.000010	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				5					
1,2,3,6,7,8-HxCDF	0.0000027	J	0.000010	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				3					
1,2,3,7,8,9-HxCDF	ND		0.000010	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				4					
2,3,4,6,7,8-HxCDF	0.0000026	J	0.000010	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				4					
1,2,3,4,6,7,8-HpCDD	0.00014	B *	0.000010	0.0000005	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				8					
1,2,3,4,6,7,8-HpCDF	0.00023	B	0.000010	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				8					
1,2,3,4,7,8,9-HpCDF	0.0000018	J B	0.000010	0.0000011	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				2					
OCDD	0.00098	B	0.000020	0.0000004	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				2					
OCDF	0.00010	B	0.000020	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				1					
Total TCDD	0.0000043	q	0.0000020	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				49					
Total TCDF	0.0000032	q	0.0000020	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				46					
Total PeCDD	0.0000056	J q	0.000010	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				84					
Total PeCDF	0.000017	q	0.000010	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				99					
Total HxCDD	0.000055	B q	0.000010	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				0					
Total HxCDF	0.00011	B q	0.000010	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				4					
Total HpCDD	0.00025	B	0.000010	0.0000005	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				8					

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-13-5

Date Collected: 06/16/16 10:57

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-21

Matrix: Solid

Percent Solids: 49.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HpCDF	0.00038	B	0.000010	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 07:12	1
				7					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	70		40 - 135				07/11/16 14:06	08/23/16 07:12	1
13C-2,3,7,8-TCDF	69		40 - 135				07/11/16 14:06	08/23/16 07:12	1
13C-1,2,3,7,8-PeCDD	74		40 - 135				07/11/16 14:06	08/23/16 07:12	1
13C-1,2,3,7,8-PeCDF	74		40 - 135				07/11/16 14:06	08/23/16 07:12	1
13C-1,2,3,6,7,8-HxCDD	76		40 - 135				07/11/16 14:06	08/23/16 07:12	1
13C-1,2,3,4,7,8-HxCDF	82		40 - 135				07/11/16 14:06	08/23/16 07:12	1
13C-1,2,3,4,6,7,8-HpCDD	63		40 - 135				07/11/16 14:06	08/23/16 07:12	1
13C-1,2,3,4,6,7,8-HpCDF	66		40 - 135				07/11/16 14:06	08/23/16 07:12	1
13C-OCDD	50		40 - 135				07/11/16 14:06	08/23/16 07:12	1

Client Sample ID: OM-SS-11-5

Date Collected: 06/16/16 11:44

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-26

Matrix: Solid

Percent Solids: 66.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000020		0.0000015	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
				1					
2,3,7,8-TCDF	0.0000011	J	0.0000015	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
				4					
1,2,3,7,8-PeCDD	0.000011		0.0000075	0.0000014	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
1,2,3,7,8-PeCDF	0.0000032	J	0.0000075	0.0000011	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
2,3,4,7,8-PeCDF	0.0000032	J	0.0000075	0.0000011	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,7,8-HxCDD	0.000041		0.0000075	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
				3					
1,2,3,6,7,8-HxCDD	0.00018	B	0.0000075	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
				5					
1,2,3,7,8,9-HxCDD	0.000058		0.0000075	0.0000007	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
				3					
1,2,3,4,7,8-HxCDF	0.000047	B G	0.0000087	0.0000087	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
1,2,3,6,7,8-HxCDF	0.000036	G	0.0000078	0.0000078	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
1,2,3,7,8,9-HxCDF	ND	G	0.0000083	0.0000083	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
2,3,4,6,7,8-HxCDF	0.000031	G	0.0000084	0.0000084	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,6,7,8-HpCDD	0.0026	B * G	0.000014	0.000014	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,6,7,8-HpCDF	0.0055	E B G	0.000037	0.000037	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
1,2,3,4,7,8,9-HpCDF	0.000092	B G	0.000045	0.000045	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
OCDD	0.019	E B	0.000015	0.0000083	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
OCDF	0.0045	B	0.000015	0.0000012	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
Total TCDD	0.000052		0.0000015	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
				1					
Total TCDF	0.000013	q	0.0000015	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
				4					
Total PeCDD	0.00018		0.0000075	0.0000014	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
Total PeCDF	0.00017	q	0.0000075	0.0000011	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
Total HxCDD	0.0011	B	0.0000075	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
				3					
Total HxCDF	0.0026	B G	0.0000083	0.0000083	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
Total HpCDD	0.0047	B G	0.000014	0.000014	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1
Total HpCDF	0.012	B G	0.000041	0.000041	mg/Kg	☼	07/11/16 14:06	08/23/16 07:58	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	59		40 - 135	07/11/16 14:06	08/23/16 07:58	1
13C-2,3,7,8-TCDF	62		40 - 135	07/11/16 14:06	08/23/16 07:58	1
13C-1,2,3,7,8-PeCDD	58		40 - 135	07/11/16 14:06	08/23/16 07:58	1
13C-1,2,3,7,8-PeCDF	62		40 - 135	07/11/16 14:06	08/23/16 07:58	1
13C-1,2,3,6,7,8-HxCDD	63		40 - 135	07/11/16 14:06	08/23/16 07:58	1
13C-1,2,3,4,7,8-HxCDF	64		40 - 135	07/11/16 14:06	08/23/16 07:58	1
13C-1,2,3,4,6,7,8-HpCDD	56		40 - 135	07/11/16 14:06	08/23/16 07:58	1
13C-1,2,3,4,6,7,8-HpCDF	56		40 - 135	07/11/16 14:06	08/23/16 07:58	1
13C-OCDD	51		40 - 135	07/11/16 14:06	08/23/16 07:58	1

Client Sample ID: OM-SS-10-5

Lab Sample ID: 320-19659-28

Date Collected: 06/16/16 11:51

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000053		0.0000017	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				51					
2,3,7,8-TCDF	0.0000017		0.0000017	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				6					
1,2,3,7,8-PeCDD	0.000031		0.0000086	0.0000007	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				1					
1,2,3,7,8-PeCDF	0.0000065	J	0.0000086	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				0					
2,3,4,7,8-PeCDF	0.0000053	J	0.0000086	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				4					
1,2,3,4,7,8-HxCDD	0.000062		0.0000086	0.0000014	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
1,2,3,6,7,8-HxCDD	0.00026	B	0.0000086	0.0000013	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
1,2,3,7,8,9-HxCDD	0.00015		0.0000086	0.0000011	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
1,2,3,4,7,8-HxCDF	0.000051	B	0.0000086	0.0000057	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
1,2,3,6,7,8-HxCDF	0.000062		0.0000086	0.0000052	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
1,2,3,7,8,9-HxCDF	ND		0.0000086	0.0000055	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
2,3,4,6,7,8-HxCDF	0.000058		0.0000086	0.0000055	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
1,2,3,4,6,7,8-HpCDD	0.0022	B * G	0.000011	0.000011	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
1,2,3,4,6,7,8-HpCDF	0.0068	E B G	0.000045	0.000045	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
1,2,3,4,7,8,9-HpCDF	ND	G	0.000054	0.000054	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
OCDD	0.0090	E B	0.000017	0.0000056	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
OCDF	0.0024	B	0.000017	0.0000006	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				0					
Total TCDD	0.00011		0.0000017	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				51					
Total TCDF	0.000021	q	0.0000017	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				6					
Total PeCDD	0.00036		0.0000086	0.0000007	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				1					
Total PeCDF	0.00026		0.0000086	0.0000009	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
				2					
Total HxCDD	0.0018	B	0.0000086	0.0000013	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
Total HxCDF	0.0027	B	0.0000086	0.0000055	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
Total HpCDD	0.0038	B G	0.000011	0.000011	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
Total HpCDF	0.010	B G	0.000049	0.000049	mg/Kg	☼	07/11/16 14:06	08/23/16 08:44	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	77		40 - 135				07/11/16 14:06	08/23/16 08:44	1
13C-2,3,7,8-TCDF	83		40 - 135				07/11/16 14:06	08/23/16 08:44	1
13C-1,2,3,7,8-PeCDD	78		40 - 135				07/11/16 14:06	08/23/16 08:44	1
13C-1,2,3,7,8-PeCDF	83		40 - 135				07/11/16 14:06	08/23/16 08:44	1
13C-1,2,3,6,7,8-HxCDD	85		40 - 135				07/11/16 14:06	08/23/16 08:44	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-10-5

Date Collected: 06/16/16 11:51

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-28

Matrix: Solid

Percent Solids: 58.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,7,8-HxCDF	86		40 - 135	07/11/16 14:06	08/23/16 08:44	1
13C-1,2,3,4,6,7,8-HpCDD	80		40 - 135	07/11/16 14:06	08/23/16 08:44	1
13C-1,2,3,4,6,7,8-HpCDF	78		40 - 135	07/11/16 14:06	08/23/16 08:44	1
13C-OCDD	73		40 - 135	07/11/16 14:06	08/23/16 08:44	1

Client Sample ID: OM-SS-09-5

Date Collected: 06/16/16 12:09

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-31

Matrix: Solid

Percent Solids: 68.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000024		0.0000015	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
2,3,7,8-TCDF	0.00000033	J	0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,7,8-PeCDD	0.0000066	J	0.0000073	0.0000004	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,7,8-PeCDF	0.0000017	J q	0.0000073	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
2,3,4,7,8-PeCDF	0.0000017	J	0.0000073	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,7,8-HxCDD	0.000017		0.0000073	0.0000020	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,6,7,8-HxCDD	0.00055	B	0.0000073	0.0000019	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,7,8,9-HxCDD	0.000049		0.0000073	0.0000016	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,7,8-HxCDF	0.000014	B	0.0000073	0.0000029	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,6,7,8-HxCDF	0.0000067	J	0.0000073	0.0000026	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,7,8,9-HxCDF	ND		0.0000073	0.0000028	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
2,3,4,6,7,8-HxCDF	0.0000054	J	0.0000073	0.0000028	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,6,7,8-HpCDD	0.0025	B * G	0.0000090	0.0000090	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,6,7,8-HpCDF	0.0015	B	0.0000073	0.0000060	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
1,2,3,4,7,8,9-HpCDF	0.000012	B	0.0000073	0.0000072	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
OCDD	0.0067	E B	0.000015	0.0000056	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
OCDF	0.00057	B	0.000015	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Total TCDD	0.00029		0.0000015	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Total TCDF	0.0000051	q	0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Total PeCDD	0.000088		0.0000073	0.0000004	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Total PeCDF	0.000040	q	0.0000073	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Total HxCDD	0.0019	B	0.0000073	0.0000018	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Total HxCDF	0.00080	B	0.0000073	0.0000028	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Total HpCDD	0.0036	B G	0.0000090	0.0000090	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Total HpCDF	0.0027	B	0.0000073	0.0000066	mg/Kg	☼	07/11/16 14:06	08/23/16 09:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	82		40 - 135				07/11/16 14:06	08/23/16 09:30	1
13C-2,3,7,8-TCDF	86		40 - 135				07/11/16 14:06	08/23/16 09:30	1
13C-1,2,3,7,8-PeCDD	79		40 - 135				07/11/16 14:06	08/23/16 09:30	1
13C-1,2,3,7,8-PeCDF	85		40 - 135				07/11/16 14:06	08/23/16 09:30	1
13C-1,2,3,6,7,8-HxCDD	84		40 - 135				07/11/16 14:06	08/23/16 09:30	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-09-5

Date Collected: 06/16/16 12:09

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-31

Matrix: Solid

Percent Solids: 68.4

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,7,8-HxCDF	83		40 - 135	07/11/16 14:06	08/23/16 09:30	1
13C-1,2,3,4,6,7,8-HpCDD	89		40 - 135	07/11/16 14:06	08/23/16 09:30	1
13C-1,2,3,4,6,7,8-HpCDF	86		40 - 135	07/11/16 14:06	08/23/16 09:30	1
13C-OCDD	84		40 - 135	07/11/16 14:06	08/23/16 09:30	1

Client Sample ID: OM-SS-08-5

Date Collected: 06/16/16 12:25

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-33

Matrix: Solid

Percent Solids: 68.1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
2,3,7,8-TCDF	ND		0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,7,8-PeCDD	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,7,8-PeCDF	0.00000023	J q	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
2,3,4,7,8-PeCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,7,8-HxCDD	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,6,7,8-HxCDD	0.00000022	J B q	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,7,8,9-HxCDD	0.00000010	J q	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,7,8-HxCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,6,7,8-HxCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,7,8,9-HxCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
2,3,4,6,7,8-HxCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,6,7,8-HpCDD	0.00000072	J B *	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,6,7,8-HpCDF	0.00000053	J B	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
1,2,3,4,7,8,9-HpCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
OCDD	0.00000098	J B	0.000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
OCDF	0.00000041	J B	0.000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
Total TCDD	0.00000011	J q	0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
Total TCDF	0.000000027	J q	0.0000015	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
Total PeCDD	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
Total PeCDF	0.000000023	J q	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
Total HxCDD	0.00000052	J B q	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-08-5

Date Collected: 06/16/16 12:25

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-33

Matrix: Solid

Percent Solids: 68.1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDF	ND		0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
				58					
Total HpCDD	0.0000013	J B q	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
				55					
Total HpCDF	0.00000095	J B	0.0000073	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 10:16	1
				60					
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-2,3,7,8-TCDF	89		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,7,8-PeCDD	85		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,7,8-PeCDF	89		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,6,7,8-HxCDD	88		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,4,7,8-HxCDF	91		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,4,6,7,8-HpCDD	95		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-1,2,3,4,6,7,8-HpCDF	93		40 - 135				07/11/16 14:06	08/23/16 10:16	1
13C-OCDD	90		40 - 135				07/11/16 14:06	08/23/16 10:16	1

Client Sample ID: OM-SS-12-5

Date Collected: 06/16/16 12:42

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-35

Matrix: Solid

Percent Solids: 71.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000014		0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				54					
2,3,7,8-TCDF	0.00000026	J q	0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				41					
1,2,3,7,8-PeCDD	0.0000068	J	0.0000070	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				0					
1,2,3,7,8-PeCDF	0.00000064	J	0.0000070	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				6					
2,3,4,7,8-PeCDF	0.00000057	J	0.0000070	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				7					
1,2,3,4,7,8-HxCDD	0.000011		0.0000070	0.0000004	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				8					
1,2,3,6,7,8-HxCDD	0.000056	B	0.0000070	0.0000004	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				4					
1,2,3,7,8,9-HxCDD	0.000032		0.0000070	0.0000003	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				8					
1,2,3,4,7,8-HxCDF	0.0000059	J B	0.0000070	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				6					
1,2,3,6,7,8-HxCDF	0.0000050	J	0.0000070	0.0000007	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				7					
1,2,3,7,8,9-HxCDF	ND		0.0000070	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				2					
2,3,4,6,7,8-HxCDF	0.0000047	J	0.0000070	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				3					
1,2,3,4,6,7,8-HpCDD	0.00075	B *	0.0000070	0.0000042	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
1,2,3,4,6,7,8-HpCDF	0.00097	B	0.0000070	0.0000064	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
1,2,3,4,7,8,9-HpCDF	ND	G	0.0000076	0.0000076	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
OCDD	0.0050	B	0.000014	0.0000019	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
OCDF	0.00044	B	0.000014	0.0000001	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1

TestAmerica Sacramento

Client Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-12-5

Date Collected: 06/16/16 12:42

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-35

Matrix: Solid

Percent Solids: 71.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TCDD	0.000029		0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				54					
Total TCDF	0.0000040	q	0.0000014	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				41					
Total PeCDD	0.000076	q	0.0000070	0.0000000	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				0					
Total PeCDF	0.000031		0.0000070	0.0000002	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				6					
Total HxCDD	0.00046	B	0.0000070	0.0000004	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				3					
Total HxCDF	0.00031	B	0.0000070	0.0000008	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
				2					
Total HpCDD	0.0015	B	0.0000070	0.0000042	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
Total HpCDF	0.0015	B	0.0000070	0.0000070	mg/Kg	☼	07/11/16 14:06	08/23/16 11:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	85		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-2,3,7,8-TCDF	87		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,7,8-PeCDD	84		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,7,8-PeCDF	89		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,6,7,8-HxCDD	88		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,4,7,8-HxCDF	92		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,4,6,7,8-HpCDD	85		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-1,2,3,4,6,7,8-HpCDF	86		40 - 135				07/11/16 14:06	08/23/16 11:02	1
13C-OCDD	73		40 - 135				07/11/16 14:06	08/23/16 11:02	1

TestAmerica Sacramento

Isotope Dilution Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	HxCDD2 (40-135)	HxCDF1 (40-135)	HpCDD (40-135)	HpCDF1 (40-135)
320-19659-2	OM-SS-01-5	84	90	89	90	86	89	91	91
320-19659-2 - DL	OM-SS-01-5	80	88	82	89	87	89	103	106
320-19659-4	OM-SS-02-5	76	83	81	84	85	86	88	91
320-19659-7	OM-SS-06-5	84	87	82	86	90	90	88	93
320-19659-9	OM-SS-03-5	81	84	83	85	86	86	89	91
320-19659-11	OM-SS-05-5	86	92	89	91	91	91	94	95
320-19659-13	OM-SS-07-5	70	72	67	71	73	75	80	78
320-19659-15	OM-SS-04-5	84	85	84	87	93	98	78	83
320-19659-17	OM-SS-15-5	81	86	80	85	89	88	84	84
320-19659-18	OM-SS-14-5	78	83	77	82	86	83	84	87
320-19659-18 - DL	OM-SS-14-5	81	87	77	85	82	80	95	100
320-19659-18 - RA	OM-SS-14-5		87						
320-19659-21	OM-SS-13-5	70	69	74	74	76	82	63	66
320-19659-26	OM-SS-11-5	59	62	58	62	63	64	56	56
320-19659-28	OM-SS-10-5	77	83	78	83	85	86	80	78
320-19659-31	OM-SS-09-5	82	86	79	85	84	83	89	86
320-19659-33	OM-SS-08-5	85	89	85	89	88	91	95	93
320-19659-35	OM-SS-12-5	85	87	84	89	88	92	85	86
LCS 320-117366/2-A	Lab Control Sample	79	81	81	82	79	83	86	87
LCSD 320-117366/3-A	Lab Control Sample Dup	73	76	77	79	81	86	91	93
MB 320-117366/1-A	Method Blank	82	85	84	87	82	84	82	84

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OCDD (40-135)
320-19659-2	OM-SS-01-5	77
320-19659-2 - DL	OM-SS-01-5	107
320-19659-4	OM-SS-02-5	76
320-19659-7	OM-SS-06-5	80
320-19659-9	OM-SS-03-5	86
320-19659-11	OM-SS-05-5	85
320-19659-13	OM-SS-07-5	74
320-19659-15	OM-SS-04-5	75
320-19659-17	OM-SS-15-5	75
320-19659-18	OM-SS-14-5	72
320-19659-18 - DL	OM-SS-14-5	93
320-19659-18 - RA	OM-SS-14-5	
320-19659-21	OM-SS-13-5	50
320-19659-26	OM-SS-11-5	51
320-19659-28	OM-SS-10-5	73
320-19659-31	OM-SS-09-5	84
320-19659-33	OM-SS-08-5	90
320-19659-35	OM-SS-12-5	73
LCS 320-117366/2-A	Lab Control Sample	83
LCSD 320-117366/3-A	Lab Control Sample Dup	83
MB 320-117366/1-A	Method Blank	74

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD

TCDF = 13C-2,3,7,8-TCDF

TestAmerica Sacramento

Isotope Dilution Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF1 = 13C-1,2,3,7,8-PeCDF
HxCDD2 = 13C-1,2,3,6,7,8-HxCDD
HxCDF1 = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-117366/1-A

Matrix: Solid

Analysis Batch: 123566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117366

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		0.0000010	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
2,3,7,8-TCDF	ND		0.0000010	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,7,8-PeCDD	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,7,8-PeCDF	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
2,3,4,7,8-PeCDF	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,4,7,8-HxCDD	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,6,7,8-HxCDD	0.000000018	J q	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,7,8,9-HxCDD	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,4,7,8-HxCDF	0.000000021	J q	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,6,7,8-HxCDF	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,7,8,9-HxCDF	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
2,3,4,6,7,8-HxCDF	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,4,6,7,8-HpCDD	0.000000092	J	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,4,6,7,8-HpCDF	0.000000059	J	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
1,2,3,4,7,8,9-HpCDF	0.000000037	J	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
OCDD	0.000000485	J	0.000010	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
OCDF	0.000000196	J	0.000010	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Total TCDD	ND		0.0000010	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Total TCDF	ND		0.0000010	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Total PeCDD	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Total PeCDF	ND		0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Total HxCDD	0.000000018	J q	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Total HxCDF	0.000000021	J q	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Total HpCDD	0.000000185	J q	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Total HpCDF	0.000000097	J	0.0000050	0.0000000	mg/Kg		07/11/16 14:06	08/22/16 18:28	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	82		40 - 135				07/11/16 14:06	08/22/16 18:28	1
13C-2,3,7,8-TCDF	85		40 - 135				07/11/16 14:06	08/22/16 18:28	1

TestAmerica Sacramento

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-117366/1-A

Matrix: Solid

Analysis Batch: 123566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117366

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,7,8-PeCDD	84		40 - 135	07/11/16 14:06	08/22/16 18:28	1
13C-1,2,3,7,8-PeCDF	87		40 - 135	07/11/16 14:06	08/22/16 18:28	1
13C-1,2,3,6,7,8-HxCDD	82		40 - 135	07/11/16 14:06	08/22/16 18:28	1
13C-1,2,3,4,7,8-HxCDF	84		40 - 135	07/11/16 14:06	08/22/16 18:28	1
13C-1,2,3,4,6,7,8-HpCDD	82		40 - 135	07/11/16 14:06	08/22/16 18:28	1
13C-1,2,3,4,6,7,8-HpCDF	84		40 - 135	07/11/16 14:06	08/22/16 18:28	1
13C-OCDD	74		40 - 135	07/11/16 14:06	08/22/16 18:28	1

Lab Sample ID: LCS 320-117366/2-A

Matrix: Solid

Analysis Batch: 123721

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117366

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,3,7,8-TCDD	0.0000200	0.0000211		mg/Kg		105	77 - 130
2,3,7,8-TCDF	0.0000200	0.0000191		mg/Kg		96	79 - 137
1,2,3,7,8-PeCDD	0.000100	0.000112		mg/Kg		112	79 - 134
1,2,3,7,8-PeCDF	0.000100	0.000111		mg/Kg		111	81 - 134
2,3,4,7,8-PeCDF	0.000100	0.000107		mg/Kg		107	76 - 132
1,2,3,4,7,8-HxCDD	0.000100	0.000112		mg/Kg		112	65 - 144
1,2,3,6,7,8-HxCDD	0.000100	0.000104		mg/Kg		104	73 - 147
1,2,3,7,8,9-HxCDD	0.000100	0.000115		mg/Kg		115	80 - 143
1,2,3,4,7,8-HxCDF	0.000100	0.000100		mg/Kg		100	72 - 140
1,2,3,6,7,8-HxCDF	0.000100	0.0000965		mg/Kg		96	63 - 152
1,2,3,7,8,9-HxCDF	0.000100	0.000103		mg/Kg		103	72 - 152
2,3,4,6,7,8-HxCDF	0.000100	0.0000989		mg/Kg		99	72 - 151
1,2,3,4,6,7,8-HpCDD	0.000100	0.000135	*	mg/Kg		135	86 - 134
1,2,3,4,6,7,8-HpCDF	0.000100	0.000111		mg/Kg		111	81 - 137
1,2,3,4,7,8,9-HpCDF	0.000100	0.000109		mg/Kg		109	79 - 139
OCDD	0.000200	0.000267		mg/Kg		133	80 - 137
OCDF	0.000200	0.000233		mg/Kg		117	75 - 141

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-2,3,7,8-TCDD	79		40 - 135
13C-2,3,7,8-TCDF	81		40 - 135
13C-1,2,3,7,8-PeCDD	81		40 - 135
13C-1,2,3,7,8-PeCDF	82		40 - 135
13C-1,2,3,6,7,8-HxCDD	79		40 - 135
13C-1,2,3,4,7,8-HxCDF	83		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	86		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	87		40 - 135
13C-OCDD	83		40 - 135

Lab Sample ID: LCSD 320-117366/3-A

Matrix: Solid

Analysis Batch: 123721

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
2,3,7,8-TCDD	0.0000200	0.0000218		mg/Kg		109	77 - 130	3	20
2,3,7,8-TCDF	0.0000200	0.0000199		mg/Kg		99	79 - 137	4	20

TestAmerica Sacramento

QC Sample Results

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-117366/3-A

Matrix: Solid

Analysis Batch: 123721

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117366

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3,7,8-PeCDD	0.000100	0.000108		mg/Kg		108	79 - 134	3	20
1,2,3,7,8-PeCDF	0.000100	0.000108		mg/Kg		108	81 - 134	3	20
2,3,4,7,8-PeCDF	0.000100	0.000109		mg/Kg		109	76 - 132	1	20
1,2,3,4,7,8-HxCDD	0.000100	0.000118		mg/Kg		118	65 - 144	5	20
1,2,3,6,7,8-HxCDD	0.000100	0.000110		mg/Kg		110	73 - 147	6	20
1,2,3,7,8,9-HxCDD	0.000100	0.000109		mg/Kg		109	80 - 143	6	20
1,2,3,4,7,8-HxCDF	0.000100	0.000102		mg/Kg		102	72 - 140	1	20
1,2,3,6,7,8-HxCDF	0.000100	0.0000996		mg/Kg		100	63 - 152	3	20
1,2,3,7,8,9-HxCDF	0.000100	0.0000983		mg/Kg		98	72 - 152	4	20
2,3,4,6,7,8-HxCDF	0.000100	0.000103		mg/Kg		103	72 - 151	4	20
1,2,3,4,6,7,8-HpCDD	0.000100	0.000108	*	mg/Kg		108	86 - 134	22	20
1,2,3,4,6,7,8-HpCDF	0.000100	0.000107		mg/Kg		107	81 - 137	4	20
1,2,3,4,7,8,9-HpCDF	0.000100	0.000109		mg/Kg		109	79 - 139	0	20
OCDD	0.000200	0.000223		mg/Kg		112	80 - 137	18	20
OCDF	0.000200	0.000234		mg/Kg		117	75 - 141	0	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C-2,3,7,8-TCDD	73		40 - 135
13C-2,3,7,8-TCDF	76		40 - 135
13C-1,2,3,7,8-PeCDD	77		40 - 135
13C-1,2,3,7,8-PeCDF	79		40 - 135
13C-1,2,3,6,7,8-HxCDD	81		40 - 135
13C-1,2,3,4,7,8-HxCDF	86		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	91		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	93		40 - 135
13C-OCDD	83		40 - 135

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Specialty Organics

Prep Batch: 117366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-2	OM-SS-01-5	Total/NA	Solid	8290	
320-19659-2 - DL	OM-SS-01-5	Total/NA	Solid	8290	
320-19659-4	OM-SS-02-5	Total/NA	Solid	8290	
320-19659-7	OM-SS-06-5	Total/NA	Solid	8290	
320-19659-9	OM-SS-03-5	Total/NA	Solid	8290	
320-19659-11	OM-SS-05-5	Total/NA	Solid	8290	
320-19659-13	OM-SS-07-5	Total/NA	Solid	8290	
320-19659-15	OM-SS-04-5	Total/NA	Solid	8290	
320-19659-17	OM-SS-15-5	Total/NA	Solid	8290	
320-19659-18 - DL	OM-SS-14-5	Total/NA	Solid	8290	
320-19659-18	OM-SS-14-5	Total/NA	Solid	8290	
320-19659-18 - RA	OM-SS-14-5	Total/NA	Solid	8290	
320-19659-21	OM-SS-13-5	Total/NA	Solid	8290	
320-19659-26	OM-SS-11-5	Total/NA	Solid	8290	
320-19659-28	OM-SS-10-5	Total/NA	Solid	8290	
320-19659-31	OM-SS-09-5	Total/NA	Solid	8290	
320-19659-33	OM-SS-08-5	Total/NA	Solid	8290	
320-19659-35	OM-SS-12-5	Total/NA	Solid	8290	
MB 320-117366/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-117366/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-117366/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Analysis Batch: 123566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-2	OM-SS-01-5	Total/NA	Solid	8290A	117366
320-19659-4	OM-SS-02-5	Total/NA	Solid	8290A	117366
320-19659-7	OM-SS-06-5	Total/NA	Solid	8290A	117366
320-19659-9	OM-SS-03-5	Total/NA	Solid	8290A	117366
320-19659-11	OM-SS-05-5	Total/NA	Solid	8290A	117366
320-19659-13	OM-SS-07-5	Total/NA	Solid	8290A	117366
MB 320-117366/1-A	Method Blank	Total/NA	Solid	8290A	117366

Analysis Batch: 123568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-15	OM-SS-04-5	Total/NA	Solid	8290A	117366
320-19659-17	OM-SS-15-5	Total/NA	Solid	8290A	117366
320-19659-18	OM-SS-14-5	Total/NA	Solid	8290A	117366
320-19659-21	OM-SS-13-5	Total/NA	Solid	8290A	117366
320-19659-26	OM-SS-11-5	Total/NA	Solid	8290A	117366
320-19659-28	OM-SS-10-5	Total/NA	Solid	8290A	117366
320-19659-31	OM-SS-09-5	Total/NA	Solid	8290A	117366
320-19659-33	OM-SS-08-5	Total/NA	Solid	8290A	117366
320-19659-35	OM-SS-12-5	Total/NA	Solid	8290A	117366

Analysis Batch: 123721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-2 - DL	OM-SS-01-5	Total/NA	Solid	8290A	117366
320-19659-18 - DL	OM-SS-14-5	Total/NA	Solid	8290A	117366
LCS 320-117366/2-A	Lab Control Sample	Total/NA	Solid	8290A	117366
LCSD 320-117366/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	117366

TestAmerica Sacramento

QC Association Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Specialty Organics (Continued)

Analysis Batch: 123765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-18 - RA	OM-SS-14-5	Total/NA	Solid	8290A	117366

General Chemistry

Analysis Batch: 115952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-2	OM-SS-01-5	Total/NA	Solid	D 2216	
320-19659-4	OM-SS-02-5	Total/NA	Solid	D 2216	
320-19659-7	OM-SS-06-5	Total/NA	Solid	D 2216	
320-19659-9	OM-SS-03-5	Total/NA	Solid	D 2216	
320-19659-11	OM-SS-05-5	Total/NA	Solid	D 2216	
320-19659-13	OM-SS-07-5	Total/NA	Solid	D 2216	
320-19659-15	OM-SS-04-5	Total/NA	Solid	D 2216	

Analysis Batch: 123457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-19659-17	OM-SS-15-5	Total/NA	Solid	D 2216	
320-19659-18	OM-SS-14-5	Total/NA	Solid	D 2216	
320-19659-21	OM-SS-13-5	Total/NA	Solid	D 2216	
320-19659-26	OM-SS-11-5	Total/NA	Solid	D 2216	
320-19659-28	OM-SS-10-5	Total/NA	Solid	D 2216	
320-19659-35	OM-SS-12-5	Total/NA	Solid	D 2216	

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-01-5

Date Collected: 06/16/16 08:10

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-01-5

Date Collected: 06/16/16 08:10

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-2

Matrix: Solid

Percent Solids: 70.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.02 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123566	08/22/16 20:46	KSS	TAL SAC
Total/NA	Prep	8290	DL		10.02 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A	DL	20			123721	08/23/16 20:09	KSS	TAL SAC

Client Sample ID: OM-SS-02-5

Date Collected: 06/16/16 08:56

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-02-5

Date Collected: 06/16/16 08:56

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-4

Matrix: Solid

Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.07 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123566	08/22/16 21:32	KSS	TAL SAC

Client Sample ID: OM-SS-06-5

Date Collected: 06/16/16 09:14

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-06-5

Date Collected: 06/16/16 09:14

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-7

Matrix: Solid

Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.05 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123566	08/22/16 22:17	KSS	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-03-5

Date Collected: 06/16/16 09:28

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-03-5

Date Collected: 06/16/16 09:28

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-9

Matrix: Solid

Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.06 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123566	08/22/16 23:03	KSS	TAL SAC

Client Sample ID: OM-SS-05-5

Date Collected: 06/16/16 09:52

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-05-5

Date Collected: 06/16/16 09:52

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-11

Matrix: Solid

Percent Solids: 65.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.02 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123566	08/22/16 23:49	KSS	TAL SAC

Client Sample ID: OM-SS-07-5

Date Collected: 06/16/16 10:07

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-07-5

Date Collected: 06/16/16 10:07

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-13

Matrix: Solid

Percent Solids: 68.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			9.99 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123566	08/23/16 00:35	KSS	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-04-5

Lab Sample ID: 320-19659-15

Date Collected: 06/16/16 10:25

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			115952	06/29/16 13:24	JMD	TAL SAC

Client Sample ID: OM-SS-04-5

Lab Sample ID: 320-19659-15

Date Collected: 06/16/16 10:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 60.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			9.98 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 04:55	ALM	TAL SAC

Client Sample ID: OM-SS-15-5

Lab Sample ID: 320-19659-17

Date Collected: 06/16/16 10:36

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			123457	08/22/16 13:52	JMD	TAL SAC

Client Sample ID: OM-SS-15-5

Lab Sample ID: 320-19659-17

Date Collected: 06/16/16 10:36

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.04 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 05:41	ALM	TAL SAC

Client Sample ID: OM-SS-14-5

Lab Sample ID: 320-19659-18

Date Collected: 06/16/16 10:42

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			123457	08/22/16 13:52	JMD	TAL SAC

Client Sample ID: OM-SS-14-5

Lab Sample ID: 320-19659-18

Date Collected: 06/16/16 10:42

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.08 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 06:26	ALM	TAL SAC
Total/NA	Prep	8290	DL		10.08 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A	DL	5			123721	08/23/16 19:23	KSS	TAL SAC
Total/NA	Prep	8290	RA		10.08 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-14-5

Date Collected: 06/16/16 10:42

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-18

Matrix: Solid

Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8290A	RA	1			123765	08/23/16 18:55	ALM	TAL SAC

Client Sample ID: OM-SS-13-5

Date Collected: 06/16/16 10:57

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			123457	08/22/16 13:52	JMD	TAL SAC

Client Sample ID: OM-SS-13-5

Date Collected: 06/16/16 10:57

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-21

Matrix: Solid

Percent Solids: 49.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.07 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 07:12	ALM	TAL SAC

Client Sample ID: OM-SS-11-5

Date Collected: 06/16/16 11:44

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			123457	08/22/16 13:52	JMD	TAL SAC

Client Sample ID: OM-SS-11-5

Date Collected: 06/16/16 11:44

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-26

Matrix: Solid

Percent Solids: 66.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.03 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 07:58	ALM	TAL SAC

Client Sample ID: OM-SS-10-5

Date Collected: 06/16/16 11:51

Date Received: 06/17/16 13:50

Lab Sample ID: 320-19659-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			123457	08/22/16 13:52	JMD	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Client Sample ID: OM-SS-10-5

Lab Sample ID: 320-19659-28

Date Collected: 06/16/16 11:51

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 58.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.00 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 08:44	ALM	TAL SAC

Client Sample ID: OM-SS-09-5

Lab Sample ID: 320-19659-31

Date Collected: 06/16/16 12:09

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.03 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 09:30	ALM	TAL SAC

Client Sample ID: OM-SS-08-5

Lab Sample ID: 320-19659-33

Date Collected: 06/16/16 12:25

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 68.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.07 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 10:16	ALM	TAL SAC

Client Sample ID: OM-SS-12-5

Lab Sample ID: 320-19659-35

Date Collected: 06/16/16 12:42

Matrix: Solid

Date Received: 06/17/16 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			123457	08/22/16 13:52	JMD	TAL SAC

Client Sample ID: OM-SS-12-5

Lab Sample ID: 320-19659-35

Date Collected: 06/16/16 12:42

Matrix: Solid

Date Received: 06/17/16 13:50

Percent Solids: 71.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.06 g	20 uL	117366	07/11/16 14:06	BNB	TAL SAC
Total/NA	Analysis	8290A		1			123568	08/23/16 11:02	ALM	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Laboratory: TestAmerica Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2897	01-31-18

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8290A	8290	Solid	1,2,3,4,6,7,8-HpCDD
8290A	8290	Solid	1,2,3,4,6,7,8-HpCDF
8290A	8290	Solid	1,2,3,4,7,8,9-HpCDF
8290A	8290	Solid	1,2,3,4,7,8-HxCDD
8290A	8290	Solid	1,2,3,4,7,8-HxCDF
8290A	8290	Solid	1,2,3,6,7,8-HxCDD
8290A	8290	Solid	1,2,3,6,7,8-HxCDF
8290A	8290	Solid	1,2,3,7,8,9-HxCDD
8290A	8290	Solid	1,2,3,7,8,9-HxCDF
8290A	8290	Solid	1,2,3,7,8-PeCDD
8290A	8290	Solid	1,2,3,7,8-PeCDF
8290A	8290	Solid	2,3,4,6,7,8-HxCDF
8290A	8290	Solid	2,3,4,7,8-PeCDF
8290A	8290	Solid	2,3,7,8-TCDD
8290A	8290	Solid	2,3,7,8-TCDF
8290A	8290	Solid	OCDD
8290A	8290	Solid	OCDF
8290A	8290	Solid	Total HpCDD
8290A	8290	Solid	Total HpCDF
8290A	8290	Solid	Total HxCDD
8290A	8290	Solid	Total HxCDF
8290A	8290	Solid	Total PeCDD
8290A	8290	Solid	Total PeCDF
8290A	8290	Solid	Total TCDD
8290A	8290	Solid	Total TCDF
D 2216		Solid	Percent Moisture

Method Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Weston Solutions, Inc.
Project/Site: Mt. Shasta, Old Mill

TestAmerica Job ID: 320-19659-2
SDG: ON HOLD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-19659-2	OM-SS-01-5	Solid	06/16/16 08:10	06/17/16 13:50
320-19659-4	OM-SS-02-5	Solid	06/16/16 08:56	06/17/16 13:50
320-19659-7	OM-SS-06-5	Solid	06/16/16 09:14	06/17/16 13:50
320-19659-9	OM-SS-03-5	Solid	06/16/16 09:28	06/17/16 13:50
320-19659-11	OM-SS-05-5	Solid	06/16/16 09:52	06/17/16 13:50
320-19659-13	OM-SS-07-5	Solid	06/16/16 10:07	06/17/16 13:50
320-19659-15	OM-SS-04-5	Solid	06/16/16 10:25	06/17/16 13:50
320-19659-17	OM-SS-15-5	Solid	06/16/16 10:36	06/17/16 13:50
320-19659-18	OM-SS-14-5	Solid	06/16/16 10:42	06/17/16 13:50
320-19659-21	OM-SS-13-5	Solid	06/16/16 10:57	06/17/16 13:50
320-19659-26	OM-SS-11-5	Solid	06/16/16 11:44	06/17/16 13:50
320-19659-28	OM-SS-10-5	Solid	06/16/16 11:51	06/17/16 13:50
320-19659-31	OM-SS-09-5	Solid	06/16/16 12:09	06/17/16 13:50
320-19659-33	OM-SS-08-5	Solid	06/16/16 12:25	06/17/16 13:50
320-19659-35	OM-SS-12-5	Solid	06/16/16 12:42	06/17/16 13:50



Chain-of-Custody Form

Project Number: 20074.063.515.1007.01		Project Name: Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, California		Chain of Custody No.: 061616			
Sampler's (Signature)		Request for Analysis		Page 1 of 3			
Field Sample ID		Date		Additional Requirements			
Matrix		Time		320-19659 Chain of Custody			
Comp.		Grab		Barcode			
No. of Containers		Total Petroleum Hydrocarbons as diesel and motor oil (TPA)		Dioxins/Furans (EPA Method 8290)			
DM-SS-01-2	6/16/16	0807	Soil	2	X	X	HOLD
DM-SS-01-5	6/16/16	0810	Soil	2	X	X	HOLD
DM-SS-02-2	6/16/16	0853	Soil	2	X	X	HOLD
DM-SS-02-5	6/16/16	0856	Soil	2	X	X	HOLD
DM-SS-18	6/16/16	0900	Soil	1	X	X	HOLD
DM-SS-06-2	6/16/16	0911	Soil	2	X	X	HOLD
DM-SS-06-5	6/16/16	0914	Soil	2	X	X	HOLD
DM-SS-03-2	6/16/16	0925	Soil	2	X	X	HOLD
DM-SS-03-5	6/16/16	0928	Soil	2	X	X	HOLD
DM-SS-05-2	6/16/16	0947	Soil	2	X	X	HOLD
DM-SS-05-5	6/16/16	0952	Soil	2	X	X	HOLD
DM-SS-07-2	6/16/16	1004	Soil	2	X	X	HOLD
DM-SS-07-5	6/16/16	1007	Soil	2	X	X	HOLD
Relinquished by: (Signature and affiliation)		Date and Time: 6/17/16 1350		Received by: (Signature and affiliation)		Date and Time: 6-17-16 1350	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)		Date and Time:	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)		Date and Time:	
Notes:		Data package: Level III		Turnaround time: 10-day TAT business days		For Laboratory Use Only	



Chain-of-Custody Form

Project Number: 20074.063.515.1007.01		Project Name: Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, California		Chain of Custody No.: 061616	
Sampler's (Signature)		Request for Analysis		Page 2 of 3	
Field Sample ID	Date	Time	Comp.	Grab	Matrix
0M-SS-04-2	6/16/16	1021			Soil
0M-SS-04-5	6/16/16	1025			Soil
0M-SS-15-2	6/16/16	1032			Soil
0M-SS-15-5	6/16/16	1036			Soil
0M-SS-14-5	6/16/16	1042			Soil
0M-SS-14-2	6/16/16	1045			Soil
0M-SS-13-2	6/16/16	1054			Soil
0M-SS-13-5	6/16/16	1057			Soil
0M-SS-16	6/16/16	1104			Soil
0M-SS-19	6/16/16	1108			Soil
0M-SS-17	6/16/16	1113			Soil
0M-SS-11-2	6/16/16	1133			Soil
0M-SS-11-5	6/16/16	1144			Soil
Relinquished by: (Signature and affiliation)		Date and Time: 6/17/16 1352		Received by: (Signature and affiliation)	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)	
Notes:		Data package: Level III		For Laboratory Use Only	
Turnaround time: 10-day TAT business days					



Chain-of-Custody Form

Project Number: 20074.063.515.1007.01		Project Name: Mt. Shasta Old Mill, Mt. Shasta, Siskiyou County, California		Chain of Custody No.: 061616 Page 3 of 3	
Sampler's (Signature)		Request for Analysis		Additional Requirements	
Field Sample ID	Date	Time	Comp.	Grab	Matrix
DM-SS-10-2	6/16/16	1147			Soil
DM-SS-10-5	6/16/16	1151			Soil
DM-SS-20	6/16/16	1155			Soil
DM-SS-09-2	6/16/16	1205			Soil
DM-SS-09-5	6/16/16	1209			Soil
DM-SS-08-2	6/16/16	1221			Soil
DM-SS-08-5	6/16/16	1225			Soil
DM-SS-12-2	6/16/16	1238			Soil
DM-SS-12-5	6/16/16	1242			Soil
DM-SS-21	6/16/16	1245			Soil
DM-W	6/16/16	1310			Soil
	6/ /16				Soil
	6/ /16				Soil
Relinquished by: (Signature and affiliation)		Date and Time: 6/17/16 1352		Received by: (Signature and affiliation)	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)	
Relinquished by: (Signature and affiliation)		Date and Time:		Received by: (Signature and affiliation)	
Notes:				For Laboratory Use Only	
Data package: Level III					
Turnaround time: 10-day TAT business days					

Login Sample Receipt Checklist

Client: Weston Solutions, Inc.

Job Number: 320-19659-2

SDG Number: ON HOLD

Login Number: 19659

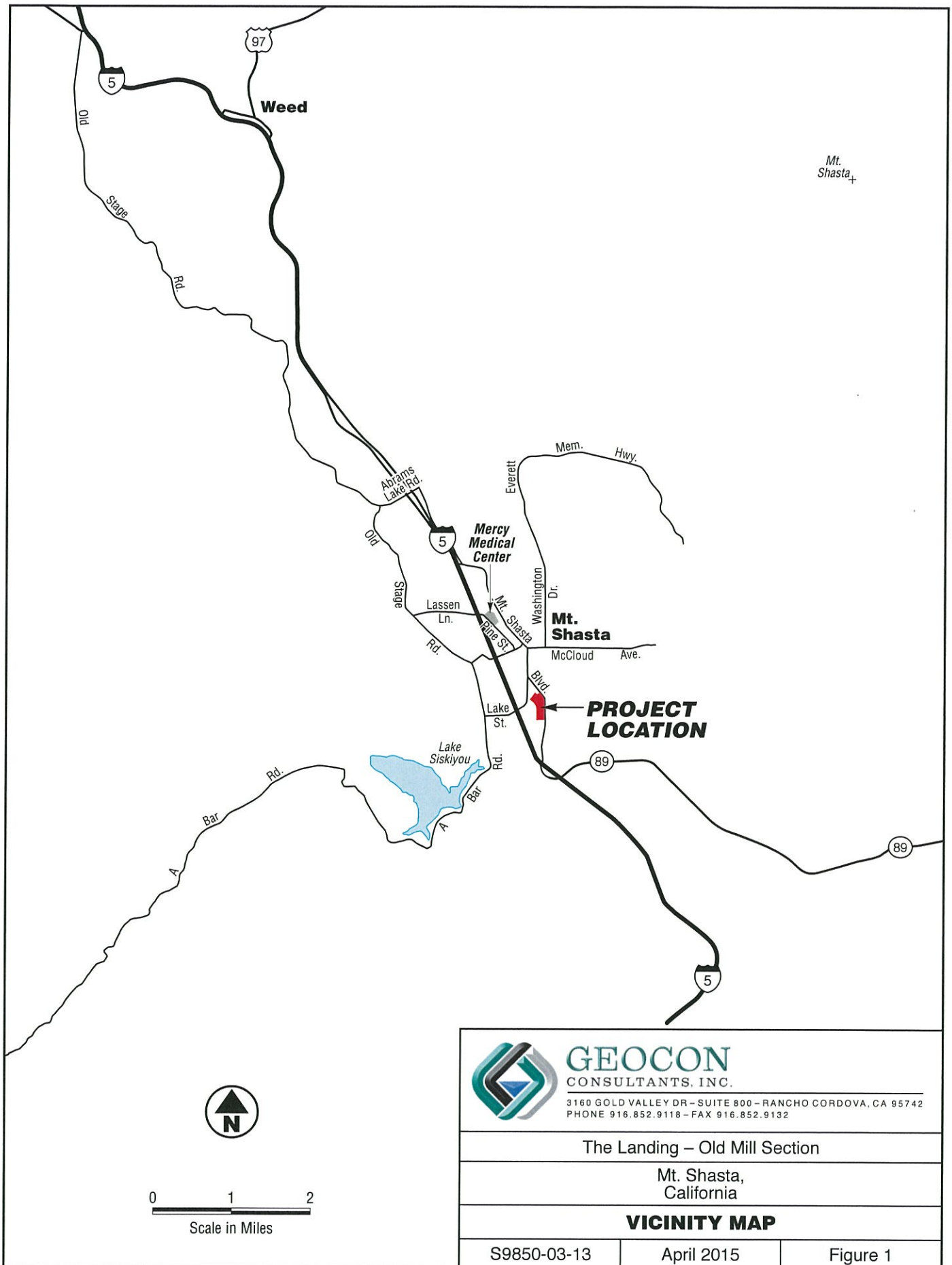
List Number: 1

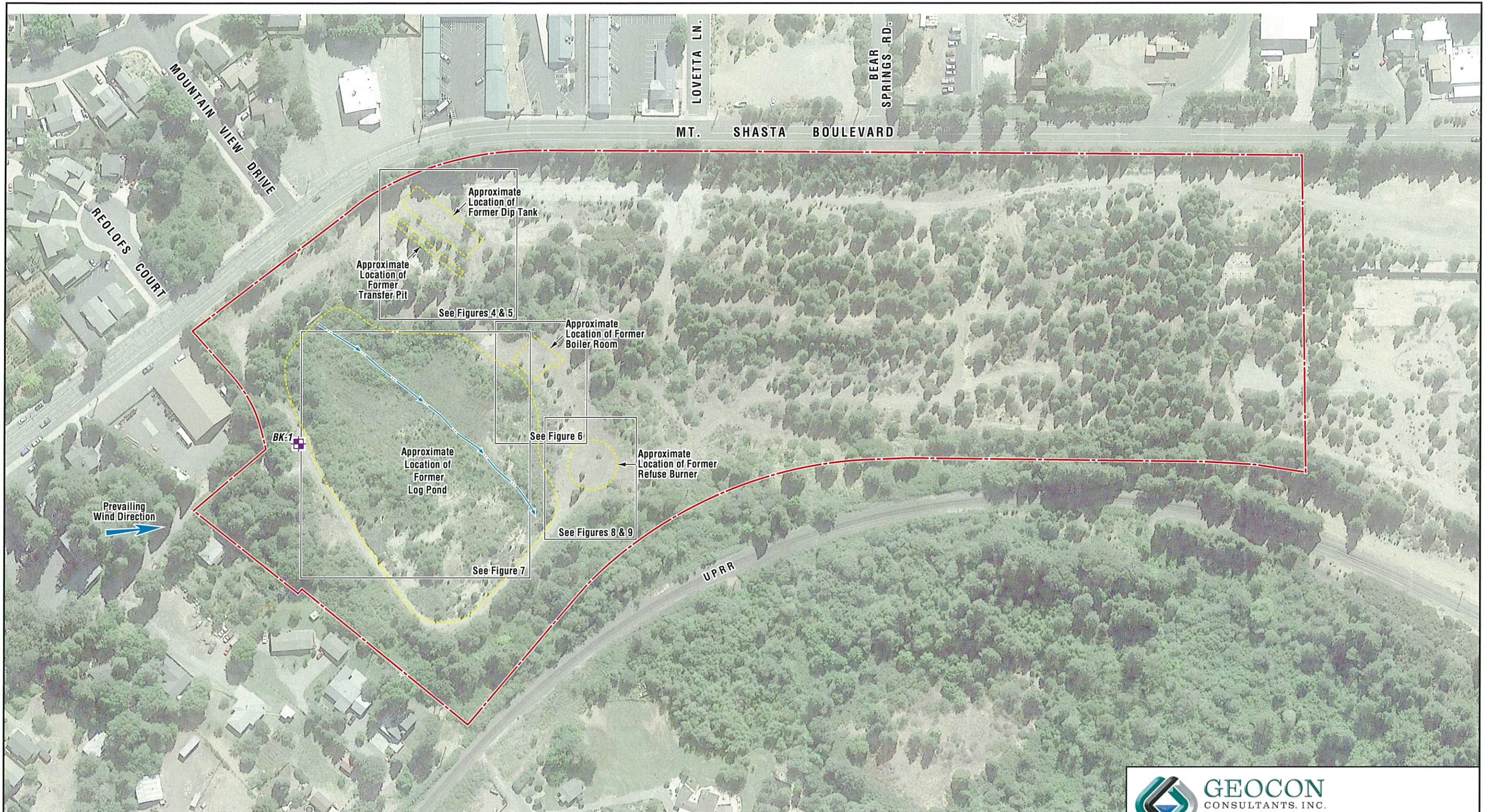
Creator: Nelson, Kym D

List Source: TestAmerica Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	-37: COC lists as soill, but it is a water
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C
2015 TARGETED SITE INVESTIGATION REPORT FIGURES -
HISTORICAL SAMPLE RESULTS





LEGEND:

- Study Area Boundary
- Approximate Soil and Grab Groundwater Boring to 12'
- Intermittent Drainage (Mill Creek)



0 150
Scale in Feet



GEOCON
CONSULTANTS, INC.

3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 - FAX 916.852.9132

The Landing - Old Mill Section

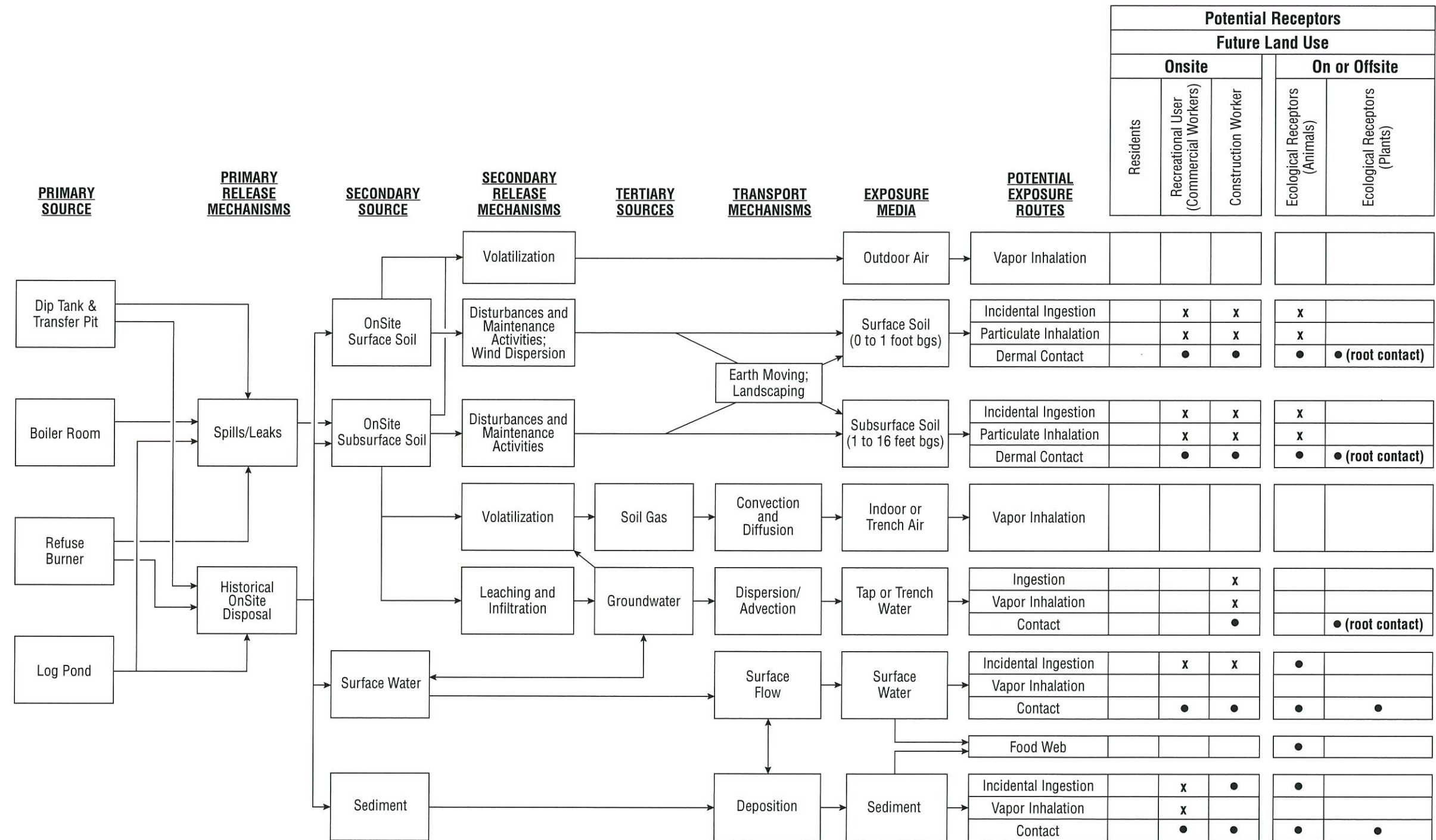
Mt. Shasta,
California

SITE PLAN

S9850-03-13

April 2015

Figure 2



LEGEND:

- Pathway is not complete; no evaluation required
- x Pathway is or might be complete, but is judged to be minor
- Pathway is or might be complete and might be significant



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3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 - FAX 916.852.9132

The Landing – Old Mill Section

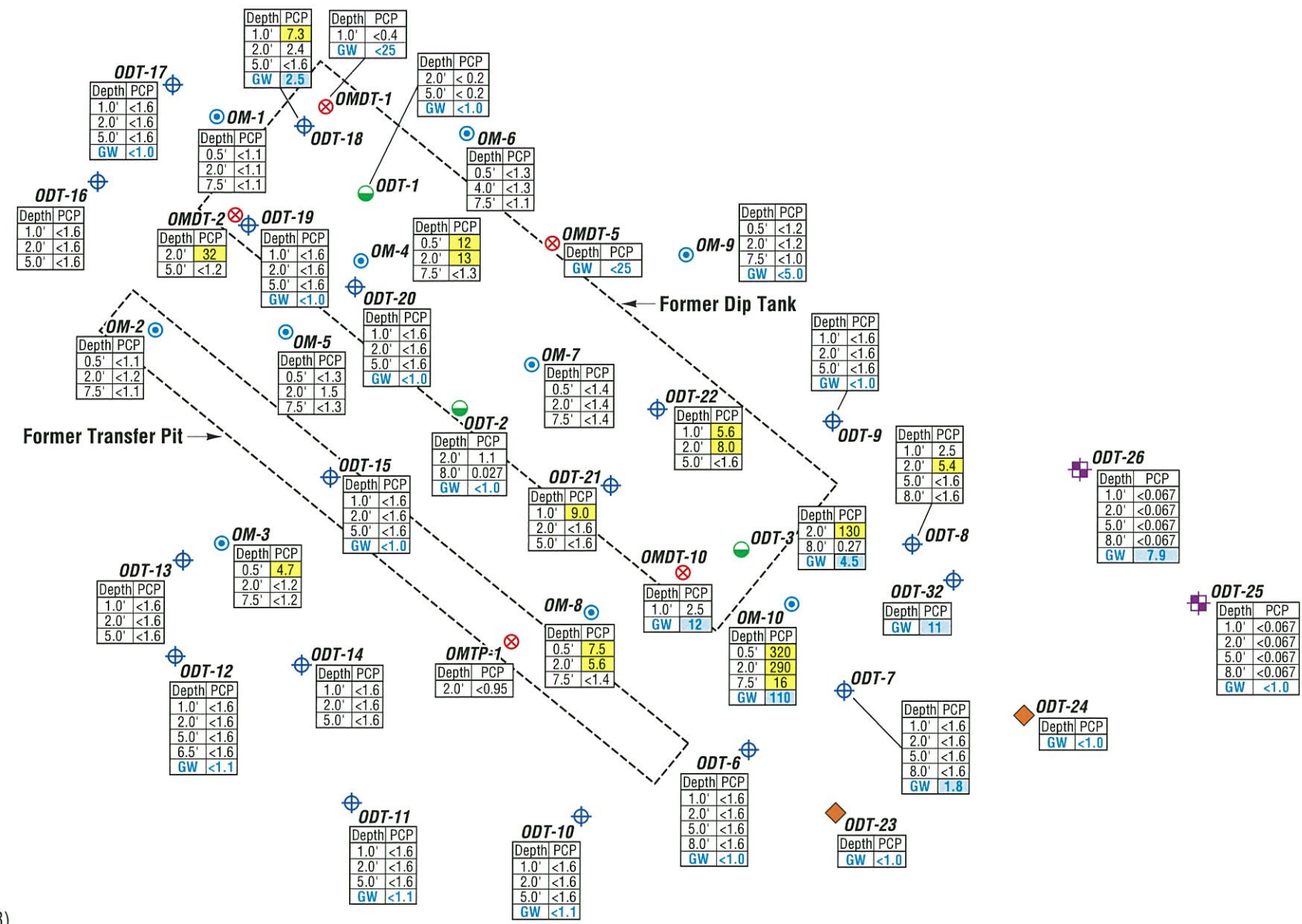
Mt. Shasta,
California

Conceptual Site Model

S9850-03-13

April 2015

Figure 3



LEGEND:

- ⊗ Approximate Boring Location (1998)
- ⊙ Approximate Boring Location (2005)
- ⊖ Approximate Boring Location (2007)
- ⊕ Approximate Boring Location (2013)
- ◆ Approximate Grab Groundwater Boring to 12'
- ⊞ Approximate Soil and Grab Groundwater Boring to 12'
- Exceeds Project Action Levels (**Soil:** 4.0 mg/kg, **GW:** 1.0 µg/l)

PCP = Pentachlorophenol
GW = Groundwater
Soil Concentrations in Milligrams per Kilogram (mg/kg)
GW Concentrations in Micrograms per Liter (µg/l)



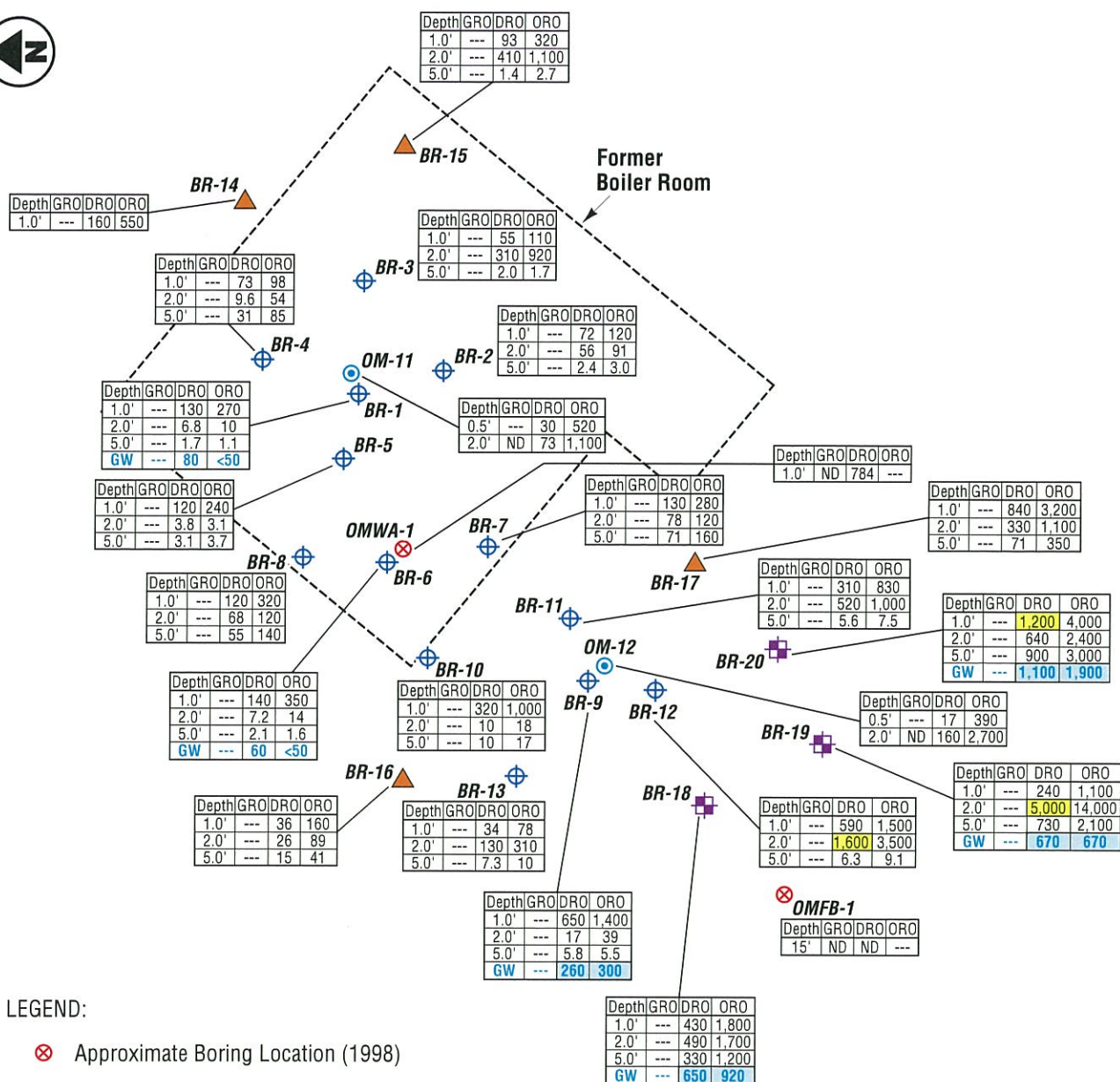
GEOCON
CONSULTANTS, INC.
3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742
PHONE 916.852.9118 - FAX 916.852.9132

The Landing – Old Mill Section

Mt. Shasta,
California


**Former Dip Tank and Transfer Pit –
PCP**

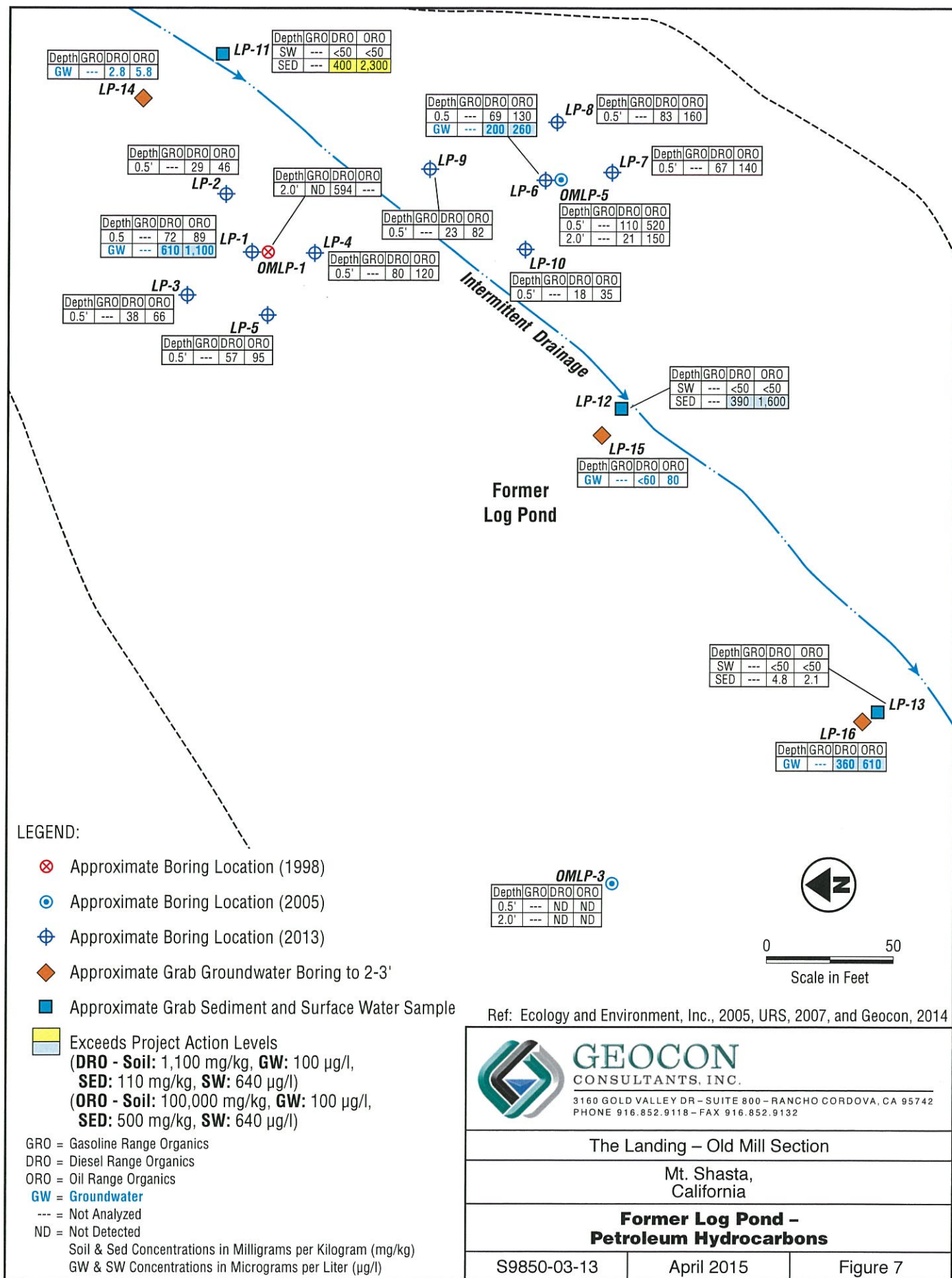
S9850-03-13	April 2015	Figure 4
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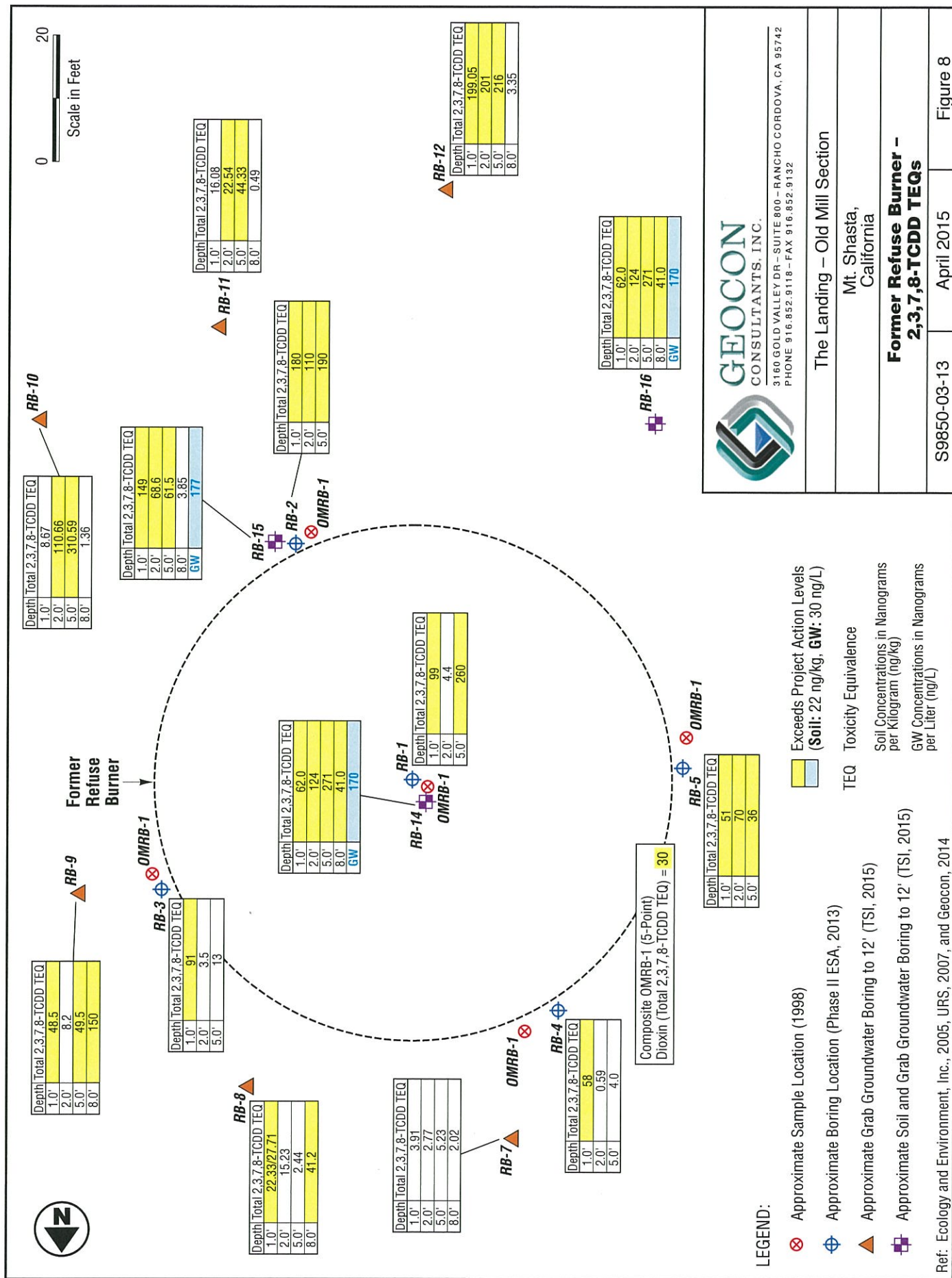


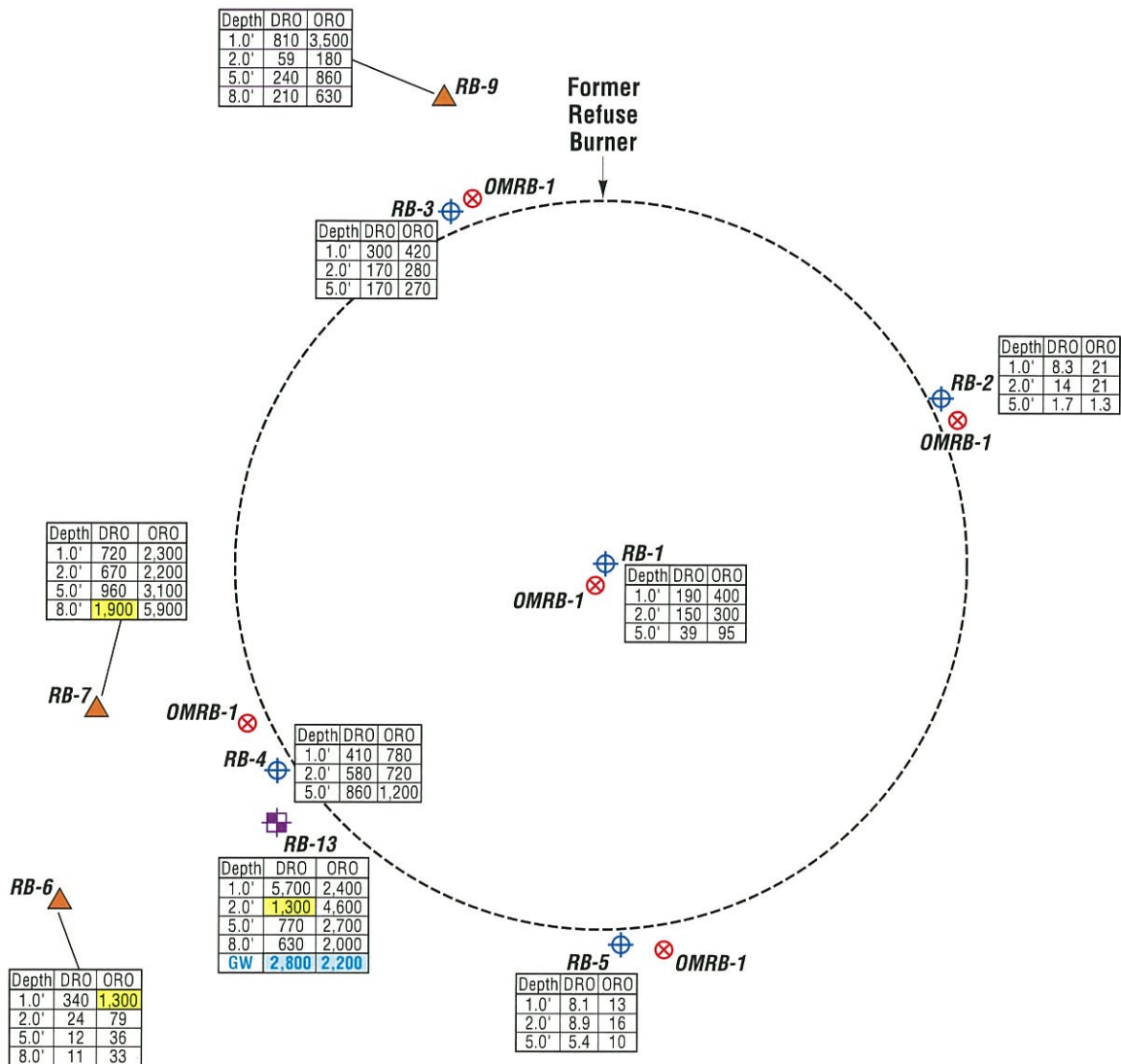
LEGEND:

-  Approximate Boring Location (1998)
-  Approximate Boring Location (2005)
-  Approximate Boring Location (2013)
-  Approximate Soil Boring to 5'
-  Approximate Soil and Grab Groundwater Boring to 12'

 Exceeds Project Action Levels
(**GRO - Soil:** 4,000 mg/kg, **GW:** 100 µg/l)
(**DRO - Soil:** 1,100 mg/kg, **GW:** 100 µg/l)
(**ORO - Soil:** 100,000 mg/kg, **GW:** 100 µg/l)







LEGEND:

- ⊗ Approximate Sample Location (1998)
- ⊕ Approximate Boring Location (2013)
- ▲ Approximate Soil Boring to 8'
- ⊞ Approximate Soil and Grab Groundwater Boring to 12'

Exceeds Project Action Levels
(DRO - Soil: 1,100 mg/kg, GW: 100 µg/l)
(ORO - Soil: 100,000 mg/kg, GW: 100 µg/l)

Soil Concentrations in Milligrams
 per Kilogram (mg/kg)

0 20
 Scale in Feet



GEOCON
 CONSULTANTS, INC.

3160 GOLD VALLEY DR - SUITE 800 - RANCHO CORDOVA, CA 95742
 PHONE 916.852.9118 - FAX 916.852.9132

The Landing – Old Mill Section

Mt. Shasta,
 California

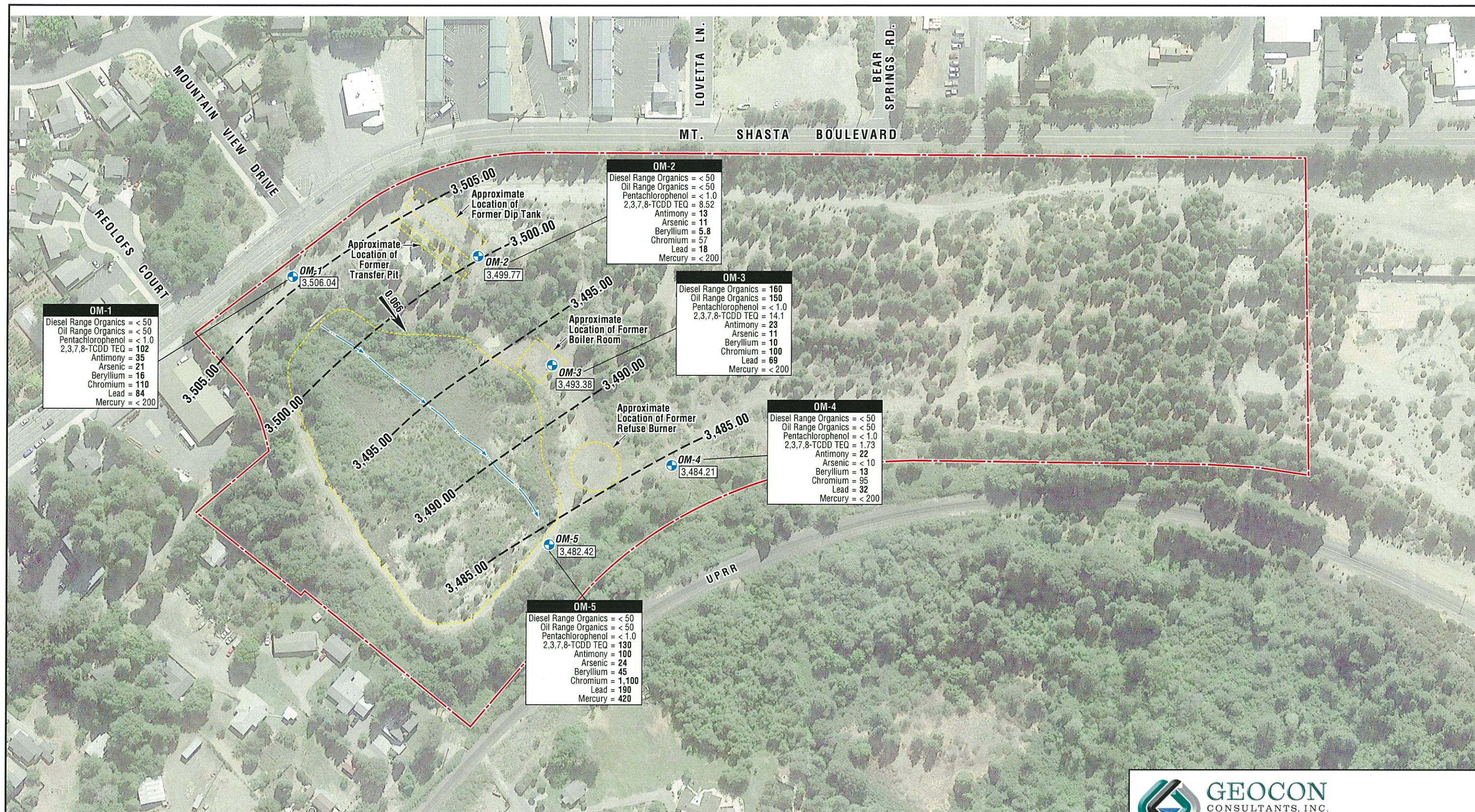
**Former Refuse Burner –
 Petroleum Hydrocarbons**

Ref: Ecology and Environment, Inc., 2005, URS, 2007, and Geocon, 2014

S9850-03-13

April 2015

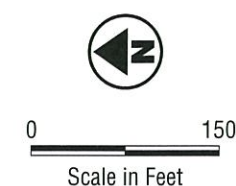
Figure 9



LEGEND:

- Study Area Boundary
- Groundwater Elevation Contour (Interval = 5.00 Ft.)
- Approximate Monitoring Well Location
- MSL Elevation of Groundwater Measured on 3/13/15
- Intermittent Drainage (Mill Creek)
- Approximate Groundwater Direction & Gradient

Bold indicates concentration equal to or greater than Project Action Level
All Concentrations Reported in Micrograms Per Liter (µg/l)



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**Groundwater Elevation Map and
Chemicals of Concern - March 2015**

S9850-03-13

April 2015

Figure 10

14. Areas Affected by Project (Cities, Counties, States, etc.):

The area affected will be within the City of Mt. Shasta jurisdiction. The scope of the grant should only affect the area described.

Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

11/16/2017

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

City of Mt. Shasta

* b. Employer/Taxpayer Identification Number (EIN/TIN):

94-6000378

* c. Organizational DUNS:

0703158900000

d. Address:

* Street1:

305 North Mt. Shasta Blvd.

Street2:

* City:

Mt. Shasta

County/Parish:

Siskiyou

* State:

CA: California

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

96067-2231

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

Ms.

* First Name:

Muriel

Middle Name:

* Last Name:

Howarth Terrell

Suffix:

Title:

Finance Director

Organizational Affiliation:

* Telephone Number:

530-926-7523

Fax Number:

* Email:

mterrell@mtshastaca.gov

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.818

CFDA Title:

Brownfields Assessment and Cleanup Cooperative Agreements

* 12. Funding Opportunity Number:

EPA-OLEM-OBLR-17-09

* Title:

FY18 GUIDELINES FOR BROWNFIELDS CLEANUP GRANTS

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

1235-Areas Affected By Project SF424.pdf

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Mt. Shasta Brownfields Cleanup: The Landing - Old Mill - West Area (Refuse Burner) - 9 acres

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant * b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:* a. Start Date: * b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="200,000.00"/>
* b. Applicant	<input type="text" value="40,000.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="240,000.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed: